

POSBANK®

Driving In-Store Performance

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Embedded IoT
OEM·ODM
Global Network

Driving In-Store Performance

BUSINESS

About POSBANK

Based on customer centric engineering and unmatched industry knowledge, POSBANK offers a wide range of POS terminals, Kiosks, Touchscreen monitors, POS printer and related peripherals for hospitality and retail environments.

With continued focus on innovative POS terminals, Kiosks and custom solutions that meet specific needs of various global customers, our goal is to be the most trusted provider of solutions with best-in-class products and services.



Why POSBANK is Different?

We are committed to continuously improve our solutions and process through ongoing implementation of our five focus areas.

Innovation

We build innovative POS solutions that help customers to be more successful in their business.

Design

We deliver POS solutions with impressive design that enhance customers' brand image.

Quality

We strive to meet stringent standards fulfilled by our in-house R&D and manufacturing facility.

Continuity

We offer continued support for customers during the product life cycle.

Proximity

We operate global partner network and warehouses near customers' business.

POSBANK History



- **1994**
 - Establishment of Parent Company
- **1998**
 - POS Solution development of Food service
- **2000~2001**
 - Distribution of POS Solution
 - ERP (SPEED ERP) Solution
- **2004**
 - POS System Business Agreement With KT (KT bizmek)
 - ASP (WEB) Solution

1994~2009

- **2006**
 - Small & Medium Business “INNO-BIZ” Certification
 - A9 (POS Printer)
- **2007**
 - IMPREX (All-in-one POS)
 - Slim POS
- **2008**
 - IMPREX Prime Good Design awarded
 - Manufacturing Establishment in Bucheon, Gyeonggi-do
 - Multi-lingual Restaurant POS Solution
- **2009**
 - Opening a logistics & repair center in Bucheon, Gyeonggi-do
 - A10 (POS Printer)
 - A10 Good Design awarded

- **2010**
 - mini0 (All-in-one POS)
 - ISO9001 Certification
- **2011**
 - A7 (POS Printer)
 - Any Shop Eco (POS)
 - Selected as Hi Seoul Brand
- **2012**
 - Any Shop II (POS), A10 (POS printer)
 - ISO14001 Certification
 - Any Shop II Good Design awarded
 - Trade Day : \$10 million Export Tower Winner

2010~2019

- **2013**
 - Any Shop PRO (POS)
 - Selected as Global Small and Medium Enterprise by Small and Medium Business Administration
 - POPs Restaurant & POPs Retail POS Solution
- **2014**
 - Any Shop e2, BLUO (POS)
 - Established a production plant in Guangzhou, China
 - BOXPOS (PC POS), POSMO II (Touch Monitor)
- **2015**
 - IMPREX PRIME (All-in-one POS)
 - ANYSHOP PRIME (POS)
 - A7 (POS Printer)
- **2019**
 - APEXA® GW-1560, APEXA® AW-1560 series (POS)
 - BIGPOS (Kiosk) Good Design awarded
 - PANDORA (POS) Good Design awarded
 - A8 (POS Printer)
 - Trade Day : 30 Million Dollar Export Tower Winner

- **2016**
 - APEXA® G (POS)
 - A11 (POS printer)
 - APEXA® G Good Design awarded
 - POPs Cloud (Cloud Web Service)
 - ANYORDER™ (Mobile Order App)
- **2017**
 - DCR™ Red Dot Design awarded
 - DCR™ Good Design awarded
 - APEXA® PRIME, APEXA® GW (POS)
 - DCR™X86, DCR™M4 (All-in-One POS)
 - Selected as Global Small and Medium Enterprise by Small and Medium Business Administration
- **2018**
 - DCR™A1
 - APEXA® A-1500, APEXA® AW-1950 (Android POS)
 - Quqi (Android POS System)
 - Tablet docking station Good Design awarded

2020~2025

- **2020**
 - BIGPOS® 2150 (Kiosk)
 - MAZIC GW-1560 (POS)
 - MAZIC G-1500 (POS)
- **2021**
 - POSMO III (Monitors) 19.5
 - BIGPOS® 1560 (Kiosk)
- **2022**
 - MAZIC K-2150, 1560
 - ACT, APEXA Core, MAZIC(POS)
 - Trade Day : 50 Million Dollar Export Tower Winner
- **2023**
 - Moved to New Factory(Pyeongtaek)
- **2024**
 - Listed on KOSDAQ in 2024
 - KDS, PAI, EDGE
- **2025**
 - Establishment of a European corporation
 - Investment and partnership for autonomous driving robots
 - FORGED (POS)

2026 ~

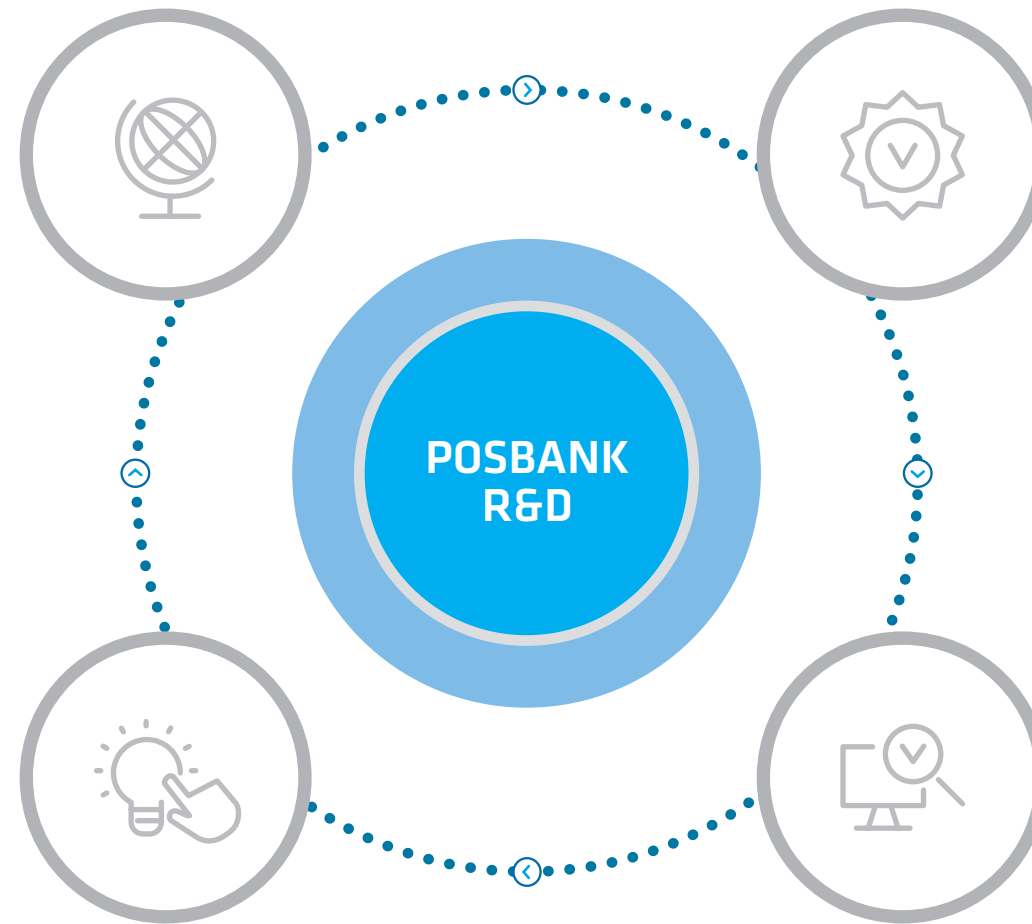
POSBANK Capability

Global leading manufacturer

POSBANK is a global leading manufacturer of POS/Kiosk hardware. With advanced engineering and unmatched experience, we manufacture and offer a wide range of POS terminals, Kiosks, Touchscreen monitors, POS printers, and related peripherals for hospitality and retail environments.

Total POS solution

POSBANK, a total POS solution company offers design, manufacturing, and servicing of all of our products in-house based on quality control based excellence.



The most reliable products

POSBANK offers OEM·ODM services with the most flexible customization to meet the needs of each customer. Offering in-depth expertise on design, tooling, sampling, manufacturing, and quality control.

Stringent quality control procedures

As an ISO9001 and ISO14001 certified company, we have stringent manufacturing and quality control procedures to ensure that our products reach our customers safely and as specified.

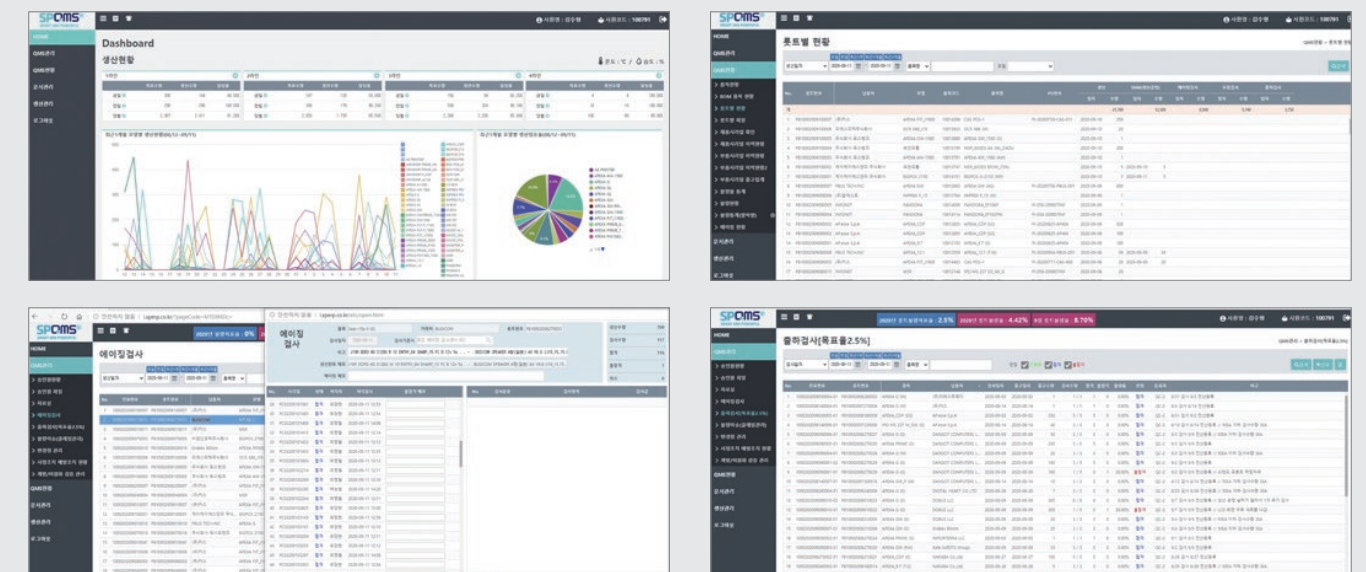
Hardware Manufacturing

With in-house design, development, and manufacturing services with highest quality standards and components used, Voice of the Customer (VoC) are managed & tracked through our Smart Quality Management System resulting in highly reliable products.



Smart QMS

POSBANK'S web-based SMART QUALITY MANAGEMENT SYSTEM allows various departments to monitor, manage, and implement necessary changes fast and efficiently, increasing overall product quality, internal processes, communications between related departments, and customer satisfaction.



MAZIC K-2150

MAZIC K-2150 has a compact and aesthetic design that can be installed on a table and used as a natural interior item. It is a kiosk that can be installed with a 21.5-inch display without compromising the aesthetics of the store and has excellent functionality.



MAZIC K-2150 Features



Counter-Top



Slim & Sleek



OS Support



Options

MAZIC K-2150 System

MAZIC® K-2150			
System			
	MAZIC K-2150 RL	MAZIC K-2150 AP	MAZIC K-2150 AN
Processors	Intel® Core™ 3 Processor 100U 10M Cache, up to 4.70 GHz Intel® Core™ i3-1315U Processor 10M Cache, up to 4.50 GHz	Intel® Core™ i3-1215U Processor 10M Cache, up to 4.40 GHz Intel® Core™ i5-1235U Processor 12M Cache, up to 4.40 GHz	Intel® Processor N97 6M Cache, up to 3.60 GHz
Chipset	Intel® Raptor Lake	Intel® Alder Lake-P	Intel® Alder Lake-N
Memory	8GB (DDR5 4800 MT/s, Max 96GB)	4GB (DDR4 3200 MT/s, Max 64GB)	4GB (DDR4 3200 MT/s, Max 32GB)
Storage	Form factor : NVMe M.2 2280-D2-M Mountable : 1 x NVMe M.2 2280 128GB		
Audio	HD Audio Codec		
RAID	RAID 0,1		Not supported
Operating Systems	Windows 10 IoT Enterprise LTSC : Version 21H1 or higher Windows 11 IoT Enterprise LTSC		
TPM	TPM 2.0		
	MAZIC K-2150 Q	MAZIC K-2150 A4	MAZIC K-2150 A2
Processors	QCS6490 Kryo670 1 x Gold @ 2.7GHz, 3 x Gold @ 2.4GHz, 4 x Silver @ 1.95GHz	RK3576 Quad Cortex-A72 @ 2.2 GHz Quad Cortex-A53 @ 2.0 GHz	RK3399 Dual-core Cortex-A72 up to 1.8GHz Quad-core Cortex-A53 up to 1.4GHz
Memory	DDR4 6GB (Max 32GB)	DDR4 6GB (Max 16GB)	DDR4 4GB
Storage	UFS 128GB (Max 128GB)	eMMC 128GB (Max 128GB)	eMMC 32GB (Max 64GB)
Audio	HD Audio Codec		
RAID	Not supported		
Operating Systems	Android 13	Android 14 GMS	Android 9 / 12 GMS

MAZIC K-2150



Superior performance





Powerful performance



Efficient performance

MAZIC K-2150 Display I Interface

21.5"



MAZIC® K-2150	
Display	
Type	21.5" TFT LCD, LED Backlight
Resolution	1080 x 1920
Brightness	250 cd/m² (typ.)
Response	22 ms
Contrast Ratio	1000 (typ.)
Touchscreen	Projected Capacitive Touch
Interface	
USB	8 (2 x USB 3.0, 6 x USB 2.0)
Serial	3 (COM1~2, RJ-45, Full Signal, COM6, Tx/Rx Only, Reserved for SCR)
LAN	1 x Gigabit Ethernet (RJ-45)
WiFi/BT	MAZIC K-2150 RL / AP / AN : N/A MAZIC K-2150 Q / A4 : Wi-Fi 2.4G / 5G, BT 5.3 Combo MIMO MAZIC K-2150 A2 : Wi-Fi 2.4G / 5G, BT 5.0 Combo
Audio Port	N/A
Speaker	1 x 3W (Mono)
Power	
Power Supply	Adaptor 24V, 6.35A (DIN 3 Pin Jack)
Pedestal	
Material	Galvanized Steel Plate
Material Thickness	1.2T

MAZIC K-2150 Physical & Environmental

MAZIC® K-2150	
Physical & Environmental	
Operating Temperature	0 °C ~ 60 °C at 10% to 90% Humidity
Storage Temperature	-20 °C ~ 60 °C at 10% to 90% Humidity
Dimensions (W x D x H)	System : 333 x 200 x 750 (mm), 13.11 x 7.87 x 29.53 (in) Pedestal : 333 x 200 x 892 (mm), 12.95 x 7.87 x 35.11 (in) Base plate : 440 x 310 x 8 (mm), 17.32 x 12.20 x 0.31 (in)
Packing Dimensions (W x D x H)	System : 820 x 280 x 420 (mm), 32.28 x 11.02 x 16.53 (in) Pedestal (with base plate) : 950 x 270 x 420 (mm), 37.4 x 10.62 x 16.53 (in)
Net Weight	System : 10,560g, 23.28 lbs Pedestal : 11,545g, 25.45 lbs Baseplate : 8,045g, 17.73 lbs
Packing Weight	System : 13,610g, 30.00 lbs Pedestal (with baseplate) : 23,580g, 51.98 lbs
Certification	CE, FCC, KC
Color	White / White+Dark Grey / Black

MAZIC K-2150 Options

MAZIC® K-2150	
Options	
Built-in Printer	3" Jam-Free Thermal Auto Cutter A8R Max. 250mm/s or A400 Max. 350mm/s Interface : Serial, USB
Barcode Scanner	1D, 2D
Camera	5M USB Interface (With Mic, Internal) (Factory Option)
Wi-Fi / BT	MAZIC K-2150 RL / AP / AN : M.2 for WiFi / BT MAZIC K-2150 Q / A4 / A2 : N/A
MSR	Comply with ISO 7811, Support 1 & 2 & 3 Track
Smart Card Reader	EMV Level 1
NFC Reader	MIFARE, FeliCa, ISO/IEC 14443A, ISO/IEC 14443B, ISO/IEC 15693
MDS	Supported
LED Light Bar	Supported
Wall Mounting (W x D x H)	280 x 214 x 200 (mm), 11.02 x 8.42 x 7.87 (in)
Custom Options	EFT Terminal Bracket, ADA Bracket, Universal Payment bracket

*Specifications may change without prior notice.

MAZIC K-1560

MAZIC K-1560 is a countertop kiosk equipped with dual side monitors. Store customers can self-service the 15.6-inch monitor or assist with payment at the store counter. This new concept compact kiosk will provide customers with a fresh shopping experience.



MAZIC K-1560 Features



Dual screens



Screen Tilting



OS Support



Screen orientation

MAZIC K-1560 System

MAZIC® K-1560			
System			
	MAZIC K-1560 RL	MAZIC K-1560 AP	MAZIC K-1560 AN
Processors	Intel® Core™ 3 Processor 100U 10M Cache, up to 4.70 GHz Intel® Core™ i3-1315U Processor 10M Cache, up to 4.50 GHz	Intel® Core™ i3-1215U Processor 10M Cache, up to 4.40 GHz Intel® Core™ i5-1235U Processor 12M Cache, up to 4.40 GHz	Intel® Processor N97 6M Cache, up to 3.60 GHz
Chipset	Intel® Raptor Lake	Intel® Alder Lake-P	Intel® Alder Lake-N
Memory	8GB (DDR5 4800 MT/s, Max 96GB)	4GB (DDR4 3200 MT/s, Max 64GB)	4GB (DDR4 3200 MT/s, Max 32GB)
Storage	Form factor : NVMe M.2 2280-D2-M Mountable : 1 x NVMe M.2 2280 128GB		
Audio	HD Audio Codec		
RAID	RAID 0,1		Not supported
Operating Systems	Windows 10 IoT Enterprise LTSC : Version 21H1 or higher Windows 11 IoT Enterprise LTSC		
TPM	TPM 2.0		
	MAZIC K-1560 Q	MAZIC K-1560 A4	MAZIC K-1560 A2
Processors	QCS6490 Kryo670 1 x Gold @ 2.7GHz, 3 x Gold @ 2.4GHz, 4 x Silver @ 1.95GHz	RK3576 Quad Cortex-A72 @ 2.2 GHz Quad Cortex-A53 @ 2.0 GHz	RK3399 Dual-core Cortex-A72 up to 1.8GHz Quad-core Cortex-A53 up to 1.4GHz
Memory	DDR4 6GB (Max 32GB)	DDR4 6GB (Max 16GB)	DDR4 4GB
Storage	UFS 128GB (Max 128GB)	eMMC 128GB (Max 128GB)	eMMC 32GB (Max 64GB)
Audio	HD Audio Codec		
RAID	Not supported		
Operating Systems	Android 13	Android 14 GMS	Android 9 / 12 GMS

MAZIC K-1560



Superior performance



Powerful performance



Efficient performance



MAZIC K-1560 Display I Interface

15.6"



15.6"



MAZIC® K-1560	
Display	
Type	15.6" TFT LCD, LED Backlight
Resolution	1080 x 1920, 1920x1080 (Dual Monitor)
Brightness	300 cd/m² (typ.)
Response	25 ms
Contrast Ratios	1000 (Typical)
Touchscreen	Projected Capacitive Touch
Interface	
USB	4 (2 x USB 3.0, 2 x USB 2.0)
Serial	2 (COM1~2, RJ-45, Full Signal)
LAN	1 x Gigabit Ethernet (RJ-45)
WiFi/BT	MAZIC K-1560 RL / AP / AN : N/A MAZIC K-1560 Q / A4 : Wi-Fi 2.4G/5G, BT 5.3 Combo MIMO MAZIC K-1560 A2 : Wi-Fi 2.4G/5G, BT 5.0 Combo
Audio Port	N/A
Speaker	1 x 5W (Mono), 2 x 5W (Stereo) (Factory Option)
Power	
Power Supply	Adaptor 24V, 6.35A (DIN 3 Pin Jack)
Pedestal	
Material	HGI
Material Thickness	3mm

MAZIC K-1560 Physical & Environmental

MAZIC® K-1560	
Physical & Environmental	
Operating Temperature	0 °C ~ 60 °C at 10% to 90% Humidity
Storage Temperature	-20 °C ~ 60 °C at 10% to 90% Humidity
Dimensions (W x D x H)	350 x 239 x 602 (mm), 13.78 x 10.98 x 23.7 (in)
Packing Dimensions (W x D x H)	389 x 316 x 638 (mm), 15.31 x 12.44 x 25.12 (in)
Net Weight	11,080g, 24.42 lbs
Packing Weight	Single Monitor : 11,560g, 25.49 lbs Dual Monitor : 14,000g, 30.86 lbs
Certification	CE, FCC, KC
Color	Black / White

MAZIC K-1560 Options

MAZIC® K-1560	
Options	
Built-in Printer	3" Jam-Free Thermal Auto Cutter A8R Max. 250mm/s or A400 Max. 350mm/s Interface : Serial, USB
Barcode Scanner	1D / 2D
Camera	5M USB Interface (With Mic, Internal) (Factory Option)
Wi-Fi / BT	MAZIC K-2150 RL / AP / AN : M.2 for WiFi/BT MAZIC K-2150 Q / A4 / A2 : N/A
MSR	Comply with ISO 7811, Support 1 & 2 & 3 Track
Smart Card Reader	EMV Level 1
NFC Reader	MIFARE, FeliCa, ISO/IEC 14443A, ISO/IEC 14443B, ISO/IEC 15693
MDS	Supported
LED Light Bar	Supported
Wall Mounting (W x D x H)	280 x 214 x 200 (mm), 11.02 x 8.42 x 7.87 (in)
Custom Options	EFT Terminal Bracket, ADA Bracket, Universal Payment bracket

*Specifications may change without prior notice.

BIGPOS®

BIGPOS® is a whole new self-service kiosk for retail stores and quick-service restaurants. It delivers an elegant look, easy installation, and quick maintenance.



BIGPOS® Features



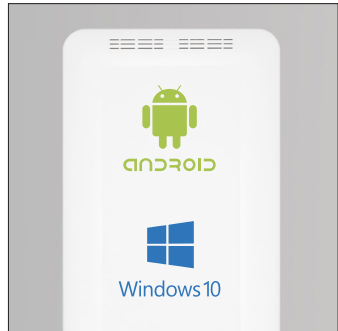
Compact slim



Flexible installation
(Floor / Wall / Table)



Options
(Scanner, MSR / SCR, NFC etc.)



OS Support

BIGPOS® System

	BIGPOS® RL	BIGPOS® AP	BIGPOS® AN	BIGPOS® A2
System	Windows			Android
Processors	Intel® Core™ i3-1315U Processor 10M Cache, up to 4.50 GHz Intel® Core™ i5-1335U Processor 12M Cache, up to 4.60 GHz	Intel® Core™ i3-1215U Processor 10M Cache, up to 4.40 GHz Intel® Core™ i5-1235U Processor 12M Cache, up to 4.40 GHz	Intel® Processor N97 6M Cache, up to 3.60 GHz	RK3399 Dual-core Cortex-A72 up to 1.8GHz Quad-core Cortex-A53 up to 1.4GHz
Chipset	Intel® Raptor Lake	Intel® Alder Lake-P	Intel® Alder Lake-N	-
Memory	4GB (DDR4 3200 MT/s, Max 96GB)	4GB (DDR4 3200 MT/s, Max 32GB)	4GB (DDR4 3200 MT/s, Max 16GB)	LPDDR4 4GB
Storage	SATA 3 (6Gb/s) 2.5 inch SSD 64GB, Support AHCI			eMMC 32GB, On-board (Max.64GB)
Audio	HD Audio Codec			
Raid	Raid 0, 1		Not Supported	
Operating Systems	Windows 10 IoT Enterprise LTSC : Version 21H1 or higher Windows 11 IoT Enterprise LTSC			Android 9 / 12 GMS
TPM	TPM 2.0			N/A

BIGPOS®



Superior performance





Powerful performance



Efficient performance

BIGPOS® Display

27"



21.5"

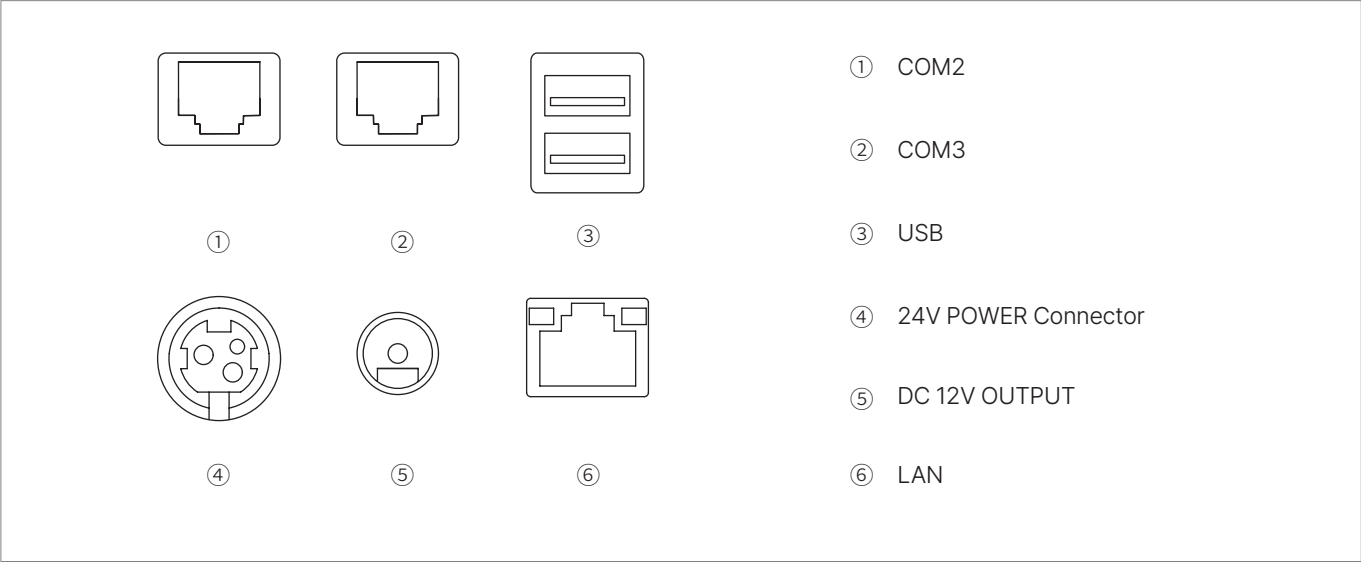


	BIGPOS® RL	BIGPOS® AP	BIGPOS® AN	BIGPOS® A2
Display				
	BIGPOS® RL-2700	BIGPOS® AP-2700	BIGPOS® AN-2700	BIGPOS® A2-2700
Type	27" TFT LCD, LED Backlight			
Resolution	1080 x 1920			
Brightness	300 cd/m² (typ.)			
Response	12 ms			
Contrast Ratio	3000 (typ.)			
Touchscreen	Projected Capacitive Touch			
	BIGPOS® RL-2150	BIGPOS® AP-2150	BIGPOS® AN-2150	BIGPOS® A2-2150
Type	21.5" TFT LCD, LED Backlight			
Resolution	1080 x 1920			
Brightness	250 cd/m² (typ.)			
Response	22 ms			
Contrast Ratio	1000 (typ.)			
Touchscreen	Projected Capacitive Touch			

BIGPOS® Interface

	BIGPOS® RL	BIGPOS® AP	BIGPOS® AN	BIGPOS® A2
Interface				
USB	2 x USB 2.0			
Serial	2 (COM2~3, RJ-45, Full Signal)			
LAN	1 x Gigabit Ethernet (RJ-45)			
Wi-Fi / BT	N/A			Wi-Fi 2.4G/5G (802.11 a/b/g/n, 2.4G/5G), BT 5.0 Combo (FactoryOption)
Audio Port	N/A			
Speaker	1 x 5W (Mono), 2 x 5W (Stereo) (Factory Option)			
Power				
Power Supply	Adaptor 24V, 6.35A (DIN 3 Pin Jack)			
Pedestal				
Material	Galvanized Steel Plate			
Material Thickness	1.2T			
Component Access	BIGPOS RL / AP / AN /A2 2700 : Security Locks with 7-Pin Tumbler / Rear Security Door BIGPOS RL / AP / AN /A2 2150 : N/A			

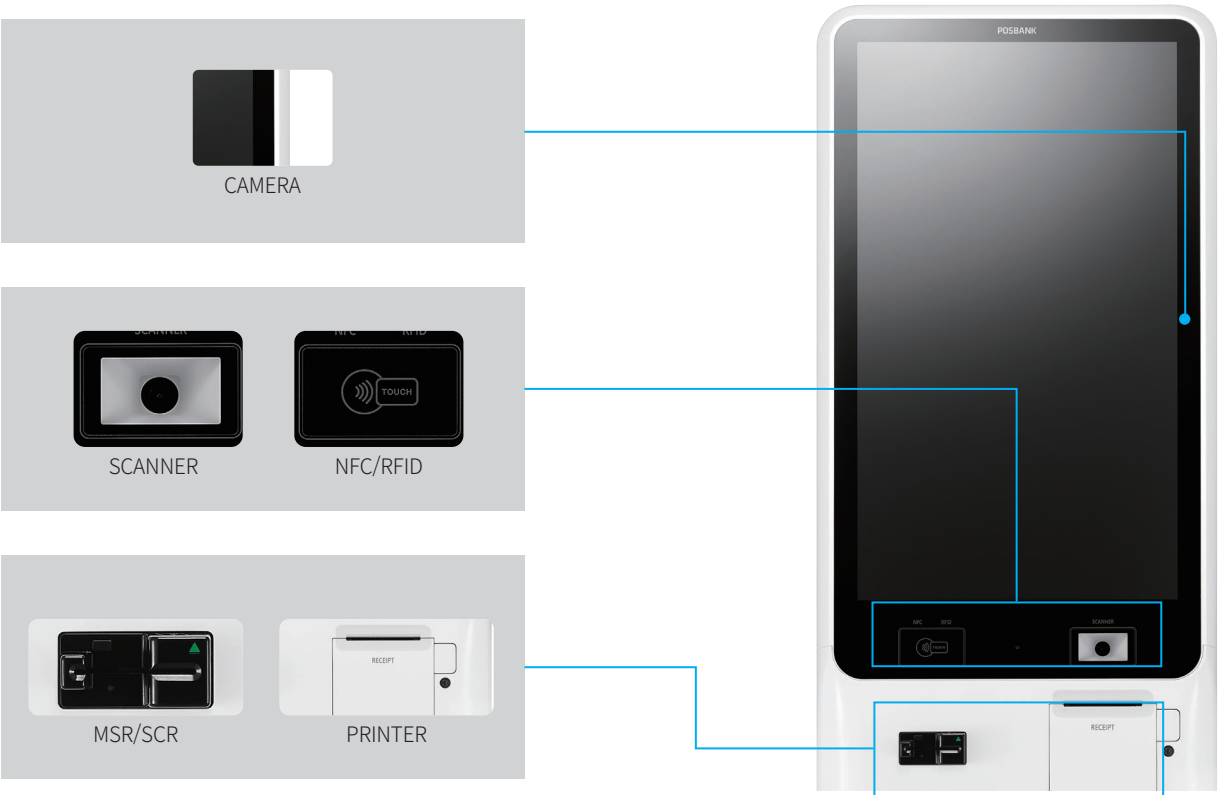
BIGPOS® I/O Ports



BIGPOS® Physical & Environmental

	BIGPOS® RL	BIGPOS® AP	BIGPOS® AN	BIGPOS® A2
Physical & Environmental				
Operating Temperature	0 °C ~ 60 °C at 10% to 90% Humidity			
Storage Temperature	-20 °C ~ 80 °C at 10% to 90% Humidity			
	BIGPOS® RL-2700	BIGPOS® AP-2700	BIGPOS® AN-2700	BIGPOS® A2-2700
Dimensions (W x D x H)	System : 426 x 135 x 880 (mm), 16.7 x 5.3 x 34.6 (in) Pedestal: 426 x 135 x 870 (mm), 16.7 x 5.3 x 34.2 (in) Base plate : 600 x 450 x 10 (mm), 23.6 x 17.7 x 0.4 (in) Base plate (Counter Top) : 466 x 295 x 6 (mm), 18.3 x 11.6 x 0.2 (in)			
Packing Dimensions (W x D x H)	System : 515 x 265 x 980 (mm), 20.2 x 10.4 x 38.5 (in) Pedestal : 515 x 265 x 980 (mm), 20.2 x 10.4 x 38.5 (in) Base plate : 770 x 550 x 65 (mm), 30.3 x 21.6 x 2.5 (in)			
Net Weight	System : 15,000g, 33.06 lbs Pedestal : 13,000g, 28.66 lbs Base plate : 20,000g, 44.09 lbs			
Packing Weight	System : 21,000g, 46.29 lbs Pedestal : 17,000g, 37.47 lbs Base plate : 21,000g, 46.29 lbs			
Certification	CE, FCC, KC			
Color	High Gloss White / High Gloss Black / Custom Colors Available			
	BIGPOS® RL-2150	BIGPOS® AP-2150	BIGPOS® AN-2150	BIGPOS® A2-2150
Dimensions (W x D x H)	System : 360 x 120 x 760 (mm), 14.1 x 4.7 x 30.0 (in) Pedestal : 360 x 120 x 890 (mm), 14.1 x 4.7 x 35.0 (in) Base plate : 440 x 310 x 8 (mm), 17.3 x 12.2 x 0.3 (in) Base plate (Counter Top) : 400 x 280 x 6 (mm), 15.7 x 11.0 x 0.2 (in)			
Packing Dimensions (W x D x H)	System: 500 x 240 x 880 (mm), 19.7 x 9.4 x 34.6 (in) Pedestal: 500 x 240 x 1000 (mm), 19.7 x 9.4 x 39.3 (in)			
Net Weight	System : 15,000g, 33.06 lbs Pedestal : 9,000g, 19.84 lbs Base plate : 7,000g, 15.43 lbs			
Packing Weight	System : 13,900g, 30.64 lbs Pedestal (with Baseplate) : 19,300g, 42.55 lbs			
Certification	CE, FCC, KC			
Color	High Gloss White, High Gloss Black, Custom Colors Available			

BIGPOS® Option



	BIGPOS® RL	BIGPOS® AP	BIGPOS® AN	BIGPOS® A2
Options				
Storage	2.5 inch SSD 128GB, HDD 500GB, 1TB M.2 2242-D2-M (SATA or NVMe)			N/A
Built-in Printer	3" Jam-Free Thermal, Max. 250mm/s, Auto Cutter, Interface : Serial, USB			
Barcode Scanner	1D / 2D			
Camera	1 x 5M Pixel (Internal USB Interface)			
Wi-Fi / BT	M.2 for WiFi/BT			N/A
MSR	Comply with ISO 7811, Support 1/2/3 Track			
Smart Card Reader	EMV Level 1			
NFC Reader	MIFARE, FeliCa, ISO/IEC 14443A, ISO/IEC 14443B, ISO/IEC 15693			
Key Reader	Supported, Dallas i-Button Reader			
Fingerprint Reader	Supported			
LED Light Bar	Supported			
Wall Mounting	VESA, 100 x 100 (mm), 200 x 200 (mm)			
Custom Options	EFT Terminal Bracket option, Customer-Assigned EMV Terminal Bracket, Bill/Coin Acceptor, Document Reader (Passports/IDs), Ticket/Document Printer, UPS (Uninterruptible Power Supply)			

*Specifications may change without prior notice.

FORGED

FORGED is a premium POS equipped with 15.6" and 15" displays and a 13th Gen Intel CPU. Combining sleek design with robust performance, it is optimized for retail environments and ideal for high-end store operations.



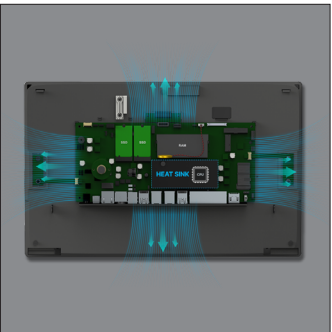
FORGED Features

• MAIN I/O



• I/O BOX(Optional)









Expandable I/O

Fanless cooling system

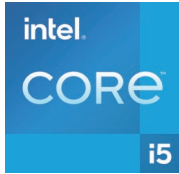
High performance

Cable-Free connection

FORGED System

	FORGED RL	FORGED AN
System		
Processors	Intel® Core™ i3-1315U Processor 10M Cache, up to 4.50 GHz Intel® Core™ i5-13355U Processor 12M Cache, up to 4.60 GHz"	Intel® Processor N97 6M Cache, up to 3.60 GHz
Chipset	Intel® Raptor Lake	Intel® Alder Lake-N
Memory	4GB Standard (DDR4 3200 MT/s, Socket 1 x SODIMM, Max 96GB)	4GB Standard (DDR4 3200 MT/s, Socket 1 x SODIMM, Max 16GB)
Storage	Form factor : NVMe M.2 2242-D2-M (No capacity limit) Mountable : 2 x NVMe M.2 2242, Default : 1 x 128GB	
Audio	HD Audio Codec	
RAID	RAID 0,1	Not Supported
Operating Systems	Windows 10 IoT Enterprise LTSC : Version 21H1 or higher Windows 11 IoT Enterprise LTSC	
TPM	TPM 2.0	

FORGED



Superior performance

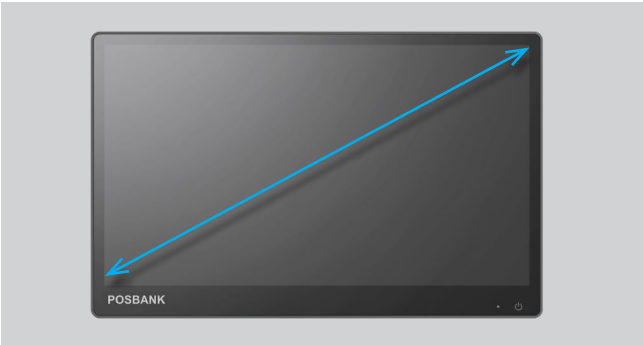




Powerful performance

FORGED Display | Interface

15.6"



15"



	FORGED RL	FORGED AN
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Display

	FORGED RL-1560	FORGED AN-1560
Type	15.6" FHD TFT LCD, LED Backlight	
Resolution	1920 x 1080	
Brightness	300 cd/m ² (Typ.)	
Response	25 ms	
Contrast Ratio	1000 (Typ.)	
Touchscreen	Projected Capacitive Touch, AF	
	FORGED RL-1500	FORGED AN-1500
Type	15" TFT LCD, LED Backlight	
Resolution	1024 x 768	
Brightness	400 cd/m ²	
Response	25 ms	
Contrast Ratio	1000 (Typ.)	
Touchscreen	Projected Capacitive Touch, AF	

	FORGED RL	FORGED AN
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Interface

Display	3 (1 x miniDP, 1 x HDMI, 1 x USB Type-C (Alt-Mode))
USB	8 (3 x USB 2.0 2 x USB 3.0 1 x USB Type-C 1 x 24V Powered USB 1 x 12V Powered USB) * 12V/24V Powered USB can be changed to USB 2.0 depending on customer needs.
Serial	3 (COM1~3, RJ45, Full Signal)
LAN	1 x Gigabit Ethernet (RJ-45)
CashDrawer Port	1 x RJ-12 (Integrated circuit GPIO)
Audio Port	1 x Line out
Speaker	1 x 3W (Mono) (Factory Option)

Power

Power Supply	Adaptor 24V/6.35A (DIN 3 Pin Jack) Adaptor 24V/11A (DC 2.5Ø Jack) (Stand I/O Option)
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FORGED Physical & Environmental | Options & Peripherals

	FORGED RL	FORGED AN
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Physical & Environmental

Operating Temperature	0 °C ~ 60 °C at 10% to 90% Humidity	
Storage Temperature	-20 °C ~ 80 °C at 10% to 90% Humidity	
IP Grade	IP54	
	FORGED RL-1560	FORGED AN-1560
Dimensions (WxDxH)	365 x 211 x 281 (mm), 14.4 x 8.3 x 11.1 (in)	
Packing Dimensions (W x D x H)	455 x 308 x 163 (mm), 17.9 x 12.1 x 6.42 (in)	
Net Weight	3,300g, 7.28 lbs	
Packing Weight	5,400g, 11.9 lbs	
	FORGED RL-1500	FORGED AN-1500
Dimensions (WxDxH)	325 x 211 x 294 (mm), 12.8 x 8.3 x 11.5 (in)	
Packing Dimensions (W x D x H)	455 x 308 x 163 (mm), 17.9 x 12.1 x 6.42 (in)	
Net Weight	3,600g, 7.94 lbs	
Packing Weight	5,700g, 12.6 lbs	

	FORGED RL	FORGED AN
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Certification	CE, FCC, KC, CB	
Construction	Aluminum Die-Casting, Plastic	
Color	Titanium grey / Black / White	

Options & Peripherals

Optional Display	- 2nd Display (9.7" (1024 x 768)) - 2nd Display (10.1" (1280 x 800)) - 2nd Display (15" (1024 x 768)) - 2nd Display (15.6" (1920 x 1080)) - VFD (2 Lines x 20 Columns)
Optional I/O Box	- Stand I/O USB 3 (1 x USB Type-C 1 x 24V Powered USB 1 x 12V Powered USB) * USB Type-C for communication only (Not a memory connector) * 12V/24V Powered USB can be changed to USB 2.0 depending on customer needs. - Stand I/O Serial 2 (2 x COM, RJ45, Full Signal)
Storage	M.2 2242 128GB (NVMe)
Wi-Fi / BT	M.2 for Wi-Fi6 / BT 5.2
MSR	Comply with ISO 7811, Support 1/2/3 Track
Smart Card Reader	EMV Level 1
NFC Reader	TBD
Key Reader	Supported, Dallas i-Button Reader
Fingerprint Reader	Supported
Wall Mounting	VESA, 75 x 75 (mm), 100 x 100 (mm)
Serial Conversion Cable	RJ-45 to D-sub 9

*Specifications may change without prior notice.

MAZIC® Prime

MAZIC PRIME is a POS that actively reflects the needs of high-end customers with an upgraded heat sink and a thinner design than the existing high-end MAZIC.



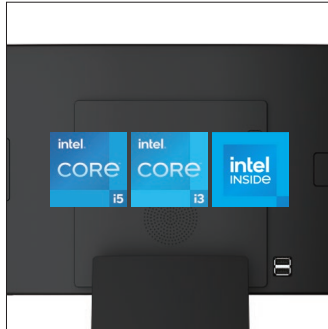
MAZIC® Prime Features



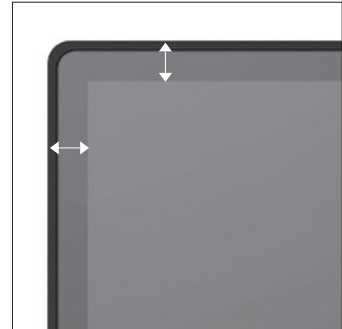
Efficient use of heat sink



Foldable, Dual hinges



High performance



Ultra thin bezel

MAZIC® Prime System

	MAZIC® PRIME RL	MAZIC® PRIME AP	MAZIC® PRIME AN
System			
Processors	Intel® Core™ i3-1315U Processor 10M Cache, up to 4.50 GHz Intel® Core™ i5-1335U Processor 12M Cache, up to 4.60 GHz"	Intel® Core™ i3-1215U Processor 10M Cache, up to 4.40 GHz Intel® Core™ i5-1235U Processor 12M Cache, up to 4.40 GHz"	Intel® Processor N97 6M Cache, up to 3.60 GHz
Chipset	Intel® Raptor Lake	Intel® Alder Lake-P	Intel® Alder Lake-N
Memory	4GB Standard (DDR4 3200 MT/s, Socket 1 x SODIMM, Max. 32GB)		4GB Standard (DDR4 3200 MT/s, Socket 1 x SODIMM, Max. 16GB)
Storage	Form factor : NVMe M.2 2242-D2-M (No capacity limit) Mountable : 2 x NVMe M.2 2242, Default : 1 x 128GB		
Audio	HD Audio Codec		
RAID	RAID 0,1		Not Supported
Operating Systems	Windows 10/11 version 21H1 or higher		
TPM	TPM 2.0		

MAZIC® Prime



Superior performance

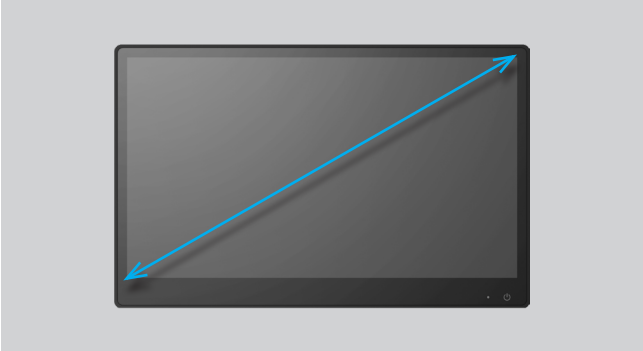




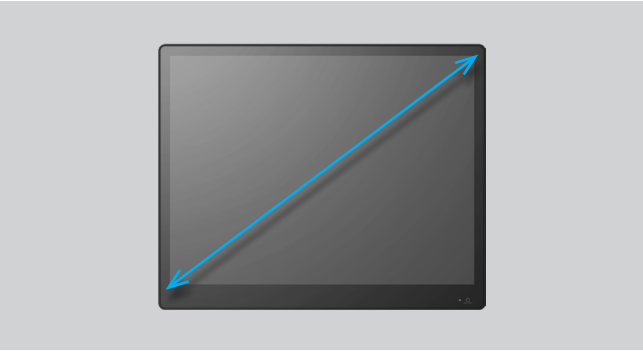
Powerful performance

MAZIC® Prime Display | Interface

15.6"



15"



	MAZIC® PRIME RL	MAZIC® PRIME AP	MAZIC® PRIME AN
Display			
	MAZIC PRIME RL-1560	MAZIC PRIME AP-1560	MAZIC PRIME AN-1560
Type	15.6" TFT LCD, LED Backlight		
Resolution	1920 x 1080		
Brightness	300 cd/m ² (Typ.)		
Touchscreen	Projected Capacitive Touch, AF		
	MAZIC PRIME RL-1500	MAZIC PRIME AP-1500	MAZIC PRIME AN-1500
Type	15" TFT LCD, LED Backlight		
Resolution	1024 x 768		
Brightness	400 cd/m ² (typ.)		
Touchscreen	Projected Capacitive Touch, AF		
	MAZIC® PRIME RL	MAZIC® PRIME AP	MAZIC® PRIME AN
Interface			
Display	1 x miniDP		
USB	Option 1 : 9 (2 x USB 3.0, 6 x USB 2.0, 1 x USB C-type) Option 2 : 7 (2 x USB 3.0, 4 x USB 2.0, 1 x USB C-type) Option 3 : 5 (4 x USB 2.0, 1 x USB C-type)		
Serial	Option 1 : 1 (COM3, RJ-45 , Full Signal) Option 2 : 2 (COM3~4, RJ-45, Full Signal) Option 3 : 3 (COM3~5, RJ-45, Full Signal)		
LAN	1 x Gigabit Ethernet (RJ-45)		
CashDrawer Port	1 x RJ-12 (Integrated circuit GPIO)		
Audio Port	1 x Line out		
Speaker	1 x 1W (Mono)		
Power			
Power Supply	Adaptor 12V, 5A (USB Type-C Plug)		

MAZIC® Prime Physical & Environmental | Options & Peripherals

	MAZIC® PRIME RL	MAZIC® PRIME AP	MAZIC® PRIME AN
Physical & Environmental			
Operating Temperature	0 °C ~ 60 °C at 10% to 90% Humidity		
Storage Temperature	-20 °C ~ 80 °C at 10% to 90% Humidity		
	MAZIC PRIME RL-1560	MAZIC PRIME AP-1560	MAZIC PRIME AN-1560
Dimensions (WxDxH)	368 x 230 x 395 (mm), 14.5 x 9.0 x 15.5 (in)		
Packing Dimensions (W x D x H)	485 x 150 x 325 (mm), 19 x 5.9 x 12.7 (in)		
Net Weight	5,500g, 12.13 lbs		
Packing Weight	6,000g, 13.23 lbs		
	MAZIC PRIME RL-1500	MAZIC PRIME AP-1500	MAZIC PRIME AN-1500
Dimensions (WxDxH)	329 x 230 x 428 (mm), 12.9 x 9 x 16.8 (in)		
Packing Dimensions (W x D x H)	454 x 164 x 405 (mm), 17.8 x 15.9 x 6.5 (in)		
Net Weight	4,900kg, 10.8 lbs		
Packing Weight	5,400kg, 11.9 lbs		
	MAZIC® PRIME RL	MAZIC® PRIME AP	MAZIC® PRIME AN
Certification	CE, FCC, KC		
Color	Black/White		
Options & Peripherals			
2nd Displays	- 2nd Display (9.7" (1024 x 768)) - 2nd Display (10.1" (1280 x 800)) - 2nd Display (15" (1024 x 768)) - 2nd Display (15.6" (1920 x 1080)) - VFD (2 Lines x 20 Columns)		
Customer Display	2 x USB 2.0 (Factory Option) - Option 1 : 2 x 12V Powered USB 2.0 / 1 x 24V Powered USB 2.0 / 2 x RJ45 (Full Signal) - Option 2 : 1 x 12V Powered USB 2.0 / 1 x 24V Powered USB 2.0 / 2 x USB 2.0 / 2 x RJ45 (Full Signal) - Option 3 : 1 x 12V Powered USB 2.0 / 4 x USB 2.0 / 2 x RJ45 (Full Signal) - Option 4 : 6 x USB 2.0 / 2 x RJ45 (Full Signal)		
Storage	M.2 2242 128GB (NVMe)		
Wi-Fi / BT	Combo module Wi-Fi / BT (SMT, Factory option)		
MSR	Comply with ISO 7811, Support 1/2/3 Track		
Smart Card Reader	EMV Level 1		
Key Reader	Supported, Dallas i-Button Reader		
Fingerprint Reader	Supported		
Wall Mounting	VESA, 75 x 75 (mm), 100 x 100 (mm)		
Serial Conversion Cable	RJ-45 to D-sub 9 for Interface Option 2, 3		

*Specifications may change without prior notice.

MAZIC®

Introducing the all-new high-end MAZIC® that entirely refined point of sale system, MAZIC® adapts simplified and modernized design.



MAZIC® System

	MAZIC® RL	MAZIC® AP	MAZIC® AN
System			
Processors	Intel® Core™ i3-1315U Processor 10M Cache, up to 4.50 GHz Intel® Core™ i5-1335U Processor 12M Cache, up to 4.60 GHz"	Intel® Core™ i3-1215U Processor 10M Cache, up to 4.40 GHz Intel® Core™ i5-1235U Processor 12M Cache, up to 4.40 GHz"	Intel® Processor N97 6M Cache, up to 3.60 GHz
Chipset	Intel® Raptor Lake	Intel® Alder Lake-P	Intel® Alder Lake-N
Memory	4GB Standard, DDR4 3200 MT/s, Socket 1 x SODIMM (Max. 32GB)		4GB Standard, DDR4 3200 MT/s, Socket 1 x SODIMM (Max. 16GB)
Storage	Form factor : NVMe M.2 2242-D2-M (No capacity limit) Mountable : 2 x NVMe M.2 2242, Default : 1 x 128GB		
Audio	HD Audio Codec		
RAID	RAID 0,1		Not Supported
Operating Systems	Windows 10 LTSC Windows 11 LTSC Ver. 24H2 or higher		
TPM	TPM 2.0		

MAZIC®



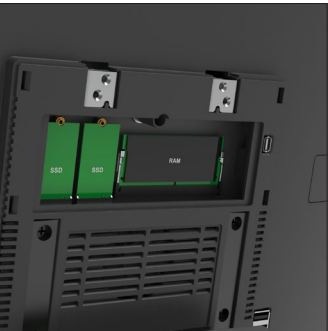
Superior performance



Powerful performance



MAZIC® Features



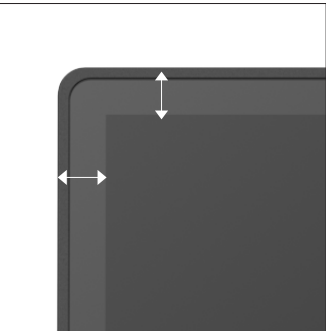
Fast and easy maintenance



Foldable, Dual hinges



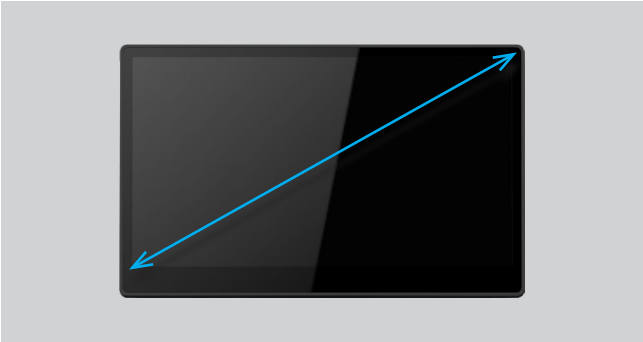
High performance



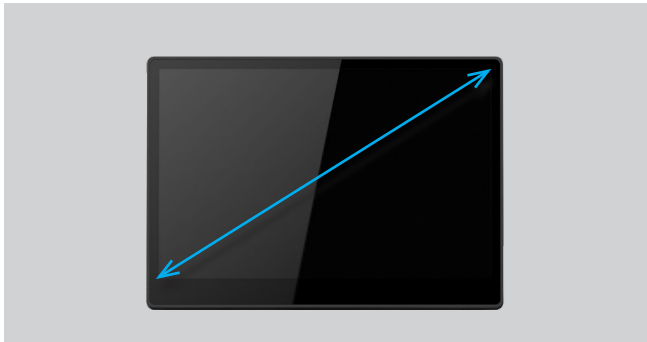
Ultra thin bezel

MAZIC® Display | Interface

15.6"



15"



	MAZIC® RL	MAZIC® AP	MAZIC® AN
Display			
	MAZIC® RL-1560	MAZIC® AP-1560	MAZIC® AN-1560
Type	15.6" TFT LCD, LED Backlight		
Resolution	1920 x 1080		
Brightness	300 cd/m ² (Typ.)		
Touchscreen	Projected Capacitive Touch, AF		
	MAZIC® RL-1500	MAZIC® AP-1500	MAZIC® AN-1500
Type	15" TFT LCD, LED Backlight		
Resolution	1024 x 768		
Brightness	400 cd/m ² (Typ.)		
Touchscreen	Projected Capacitive Touch, AF		
	MAZIC® RL	MAZIC® AP	MAZIC® AN
Interface			
Display	1 x miniDP, 1 x USB Type-C (Alt-mode)		
USB	Option 1 : 9 (2 x USB 3.0, 6 x USB 2.0, 1 x USB C-type) Option 2 : 7 (2 x USB 3.0, 4 x USB 2.0, 1 x USB C-type) Option 3 : 5 (4 x USB 2.0, 1 x USB C-type)		
Serial	Option 1 : 1 (COM3, RJ-45 , Full Signal) Option 2 : 2 (COM3~4, RJ-45, Full Signal) Option 3 : 3 (COM3~5, RJ-45, Full Signal)		
LAN	1 x Gigabit Ethernet (RJ-45)		
CashDrawer Port	1 x RJ-12 (Integrated circuit GPIO)		
Audio Port	1 x Line out		
Speaker	1 x 1W (Mono)		
Power			
Power Supply	Adapter 12V, 5A (USB-C Type Plug)		

MAZIC® Physical & Environmental | Options & Peripherals

	MAZIC® RL		MAZIC® AP	MAZIC® AN
Physical & Environmental				
Operating Temperature	0 °C ~ 60 °C at 10% to 90% Humidity			
Storage Temperature	-20 °C ~ 80 °C at 10% to 90% Humidity			
	MAZIC® RL-1560		MAZIC® AP-1560	MAZIC® AN-1560
Dimensions (W x D x H)	368 x 230 x 395 (mm), 14.5 x 9.0 x 15.5 (in)			
Packing Dimensions (W x D x H)	485 x 150 x 325 (mm), 19.1 x 5.9 x 12.7 (in)			
Net Weight	5,000g, 12.02 lbs			
Packing Weight	5,500g, 12.13 lbs			
	MAZIC® RL-1500		MAZIC® AP-1500	MAZIC® AN-1500
Dimensions (WxDxH)	329 x 230 x 428 (mm), 12.9 x 9.0 x 16.8 (in)			
Packing Dimensions (W x D x H)	454 x 64 x 405 (mm), 17.8 x 6.5 x 15.9 (in)			
Net Weight	4,500g, 9.92 lbs			
Packing Weight	5,000g, 11.02 lbs			
	MAZIC® RL		MAZIC® AP	MAZIC® AN
Certification	CE, FCC, KC			
Color	Black / White			
Options & Peripherals				
Optional Display	- 2nd Display (9.7" (1024 x 768)) - 2nd Display (10.1" (1280 x 800)) - 2nd Display (15" (1024 x 768)) - 2nd Display (15.6" (1920 x 1080)) - VFD (2 Lines x 20 Columns)			
Optional I/O Box	2 x USB 2.0 (Factory Option) - Option 1 : 2 x 12V Powered USB 2.0 / 1 x 24V Powered USB 2.0 / 2 x RJ45 (Full Signal) - Option 2 : 1 x 12V Powered USB 2.0 / 1 x 24V Powered USB 2.0 / 2 x USB 2.0 / 2 x RJ45 (Full Signal) - Option 3 : 1 x 12V Powered USB 2.0 / 4 x USB 2.0 / 2 x RJ45 (Full Signal) - Option 4 : 6 x USB 2.0 / 2 x RJ45 (Full Signal)			
Storage	M.2 2242 128GB (NVMe)			
Wi-Fi / BT	Combo module Wi-Fi / BT (SMT, Factory option)			
MSR	Comply with ISO 7811, Support 1/2/3 Track			
Smart Card Reader	EMV Level 1			
Key Reader	Supported, Dallas i-Button Reader			
Fingerprint Reader	Supported			
Wall Mounting	VESA, 75 x 75 (mm), 100 x 100 (mm)			
Serial Conversion Cable	RJ-45 to D-sub 9 for Interface Option 2, 3			

*Specifications may change without prior notice.

MAZIC® CX

MAZIC CX is a POS system optimized for customers in the restaurant and retail industries using the LCM module compared to the MAZIC.



MAZIC® CX Features



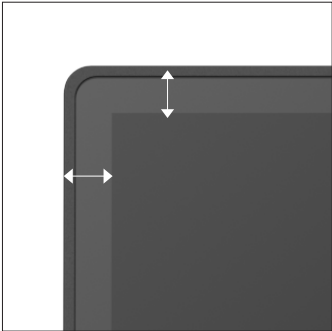
LCM modules to reduce TCO



Foldable, Dual hinges



High performance



Ultra thin bezel

MAZIC® CX System

MAZIC® CX	
System	
Processors	Intel® Processor N97 6M Cache, up to 3.60 GHz Intel® Processor N95 6M Cache, up to 3.60 GHz
Chipset	Intel® Alder Lake-N
Memory	4GB Standard, DDR4 3200 MT/s, Socket 1 x SODIMM (Max. 16GB)
Storage	Form factor : NVMe M.2 2242-D2-M (No capacity limit) Mountable : 2 x NVMe M.2 2242, Default : 1 x 128GB
Audio	HD Audio Codec
RAID	Not Supported
Operating Systems	Windows 10 IoT Enterprise LTSC Ver. 21H2 or higher Windows 11 IoT Enterprise LTSC Ver. 24H2 or higher
TPM	TPM 2.0

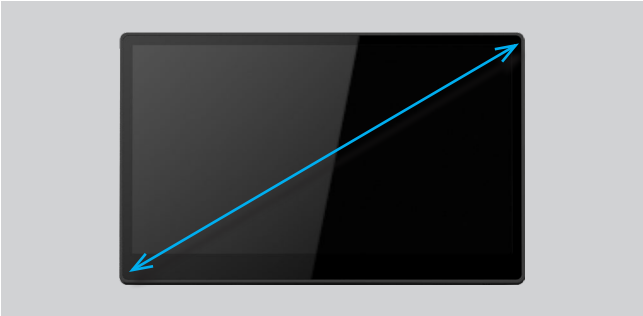
MAZIC® CX



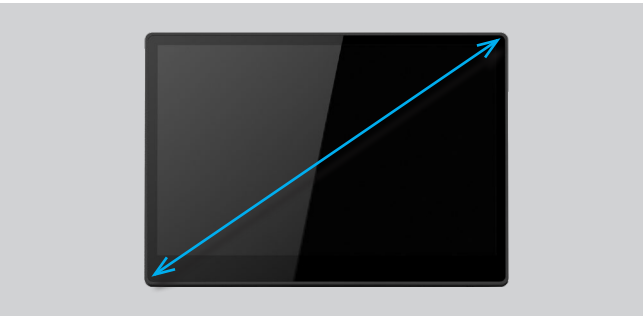
Powerful performance

MAZIC® CX Display | Interface

15.6"



15"



MAZIC® CX

Display

	MAZIC® CX-1560
Type	15.6" TFT LCD, LED Backlight
Resolution	1920 x 1080
Brightness	350 cd/m² (Typ.)
Touchscreen	Projected Capacitive Touch, AF
	MAZIC® CX-1500
Type	15" TFT LCD, LED Backlight
Resolution	1024 x 768
Brightness	400 cd/m² (Typ.)
Touchscreen	Projected Capacitive Touch, AF

MAZIC® CX

Interface

Display	1 x miniDP
USB	Option 1 : 9 (2 x USB 3.0, 6 x USB 2.0, 1 x USB C-type) Option 2 : 7 (2 x USB 3.0, 4 x USB 2.0, 1 x USB C-type) Option 3 : 5 (4 x USB 2.0, 1 x USB C-type)
Serial	Option 1 : 1 (COM3, RJ-45, Full Signal) Option 2 : 2 (COM3~4, RJ-45, Full Signal) Option 3 : 3 (COM3~5, RJ-45, Full Signal)
LAN	1 x Gigabit Ethernet (RJ-45)
CashDrawer Port	1 x RJ-12 (Integrated circuit GPIO)
Audio Port	1 x Line out
Speaker	1 x 1W (Mono)

Power

Power Supply	Adapter 12V, 5A (USB-C Type Plug)
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MAZIC® CX Physical & Environmental | Options & Peripherals

MAZIC® CX

Physical & Environmental

Operating Temperature	0 °C ~ 60 °C at 10% to 90% Humidity
Storage Temperature	-20 °C ~ 80 °C at 10% to 90% Humidity
	MAZIC® CX-1560
Dimensions (W x D x H)	368 x 230 x 395 (mm), 14.5 x 9.0 x 15.5 (in)
Packing Dimensions (W x D x H)	485 x 150 x 325 (mm), 19.1 x 5.9 x 12.7 (in)
Net Weight	5,000g, 12.02 lbs
Packing Weight	5,500g, 12.13 lbs
	MAZIC® CX-1500
Dimensions (W x D x H)	329 x 230 x 428 (mm), 12.9 x 9.0 x 16.8 (in)
Packing Dimensions (W x D x H)	454 x 64 x 405 (mm), 17.8 x 6.5 x 15.9 (in)
Net Weight	4,500g, 9.92 lbs
Packing Weight	5,000g, 11.02 lbs

MAZIC® CX

Certification	CE, FCC, KC
Color	Black / White

Options & Peripherals

Optional Display	- 2nd Display (9.7" (1024 x 768)) - 2nd Display (10.1" (1280 x 800)) - 2nd Display (15" (1024 x 768)) - 2nd Display (15.6" (1920 x 1080)) - VFD (2 Lines x 20 Columns)
Optional I/O Box	2 x USB 2.0 (Factory Option) - Option 1 : 2 x 12V Powered USB 2.0 / 1 x 24V Powered USB 2.0 / 2 x RJ45 (Full Signal) - Option 2 : 1 x 12V Powered USB 2.0 / 1 x 24V Powered USB 2.0 / 2 x USB 2.0 / 2 x RJ45 (Full Signal) - Option 3 : 1 x 12V Powered USB 2.0 / 4 x USB 2.0 / 2 x RJ45 (Full Signal) - Option 4 : 6 x USB 2.0 / 2 x RJ45 (Full Signal)
Storage	M.2 2242 128GB (NVMe)
Wi-Fi / BT	Combo module Wi-Fi / BT (SMT, Factory option)
MSR	Comply with ISO 7811, Support 1/2/3 Track
Smart Card Reader	EMV Level 1
Key Reader	Supported, Dallas i-Button Reader
Fingerprint Reader	Supported
Wall Mounting	VESA, 75 x 75 (mm), 100 x 100 (mm)
Serial Conversion Cable	RJ-45 to D-sub 9 for Interface Option 2, 3

*Specifications may change without prior notice.

APEXA® CORE

APEXA® CORE is the next generation of APEXA®. With its sophisticated sense in a modern and contemporary style, APEXA® CORE offers fast and easy access and convenient upgrades with plenty of I/O ports to accommodate many options.



APEXA®CORE Features



Ultra thin bezel



High performance



Fast and easy maintenance



External I/O box

APEXA® CORE System

	APEXA CORE RL	APEXA CORE AP	APEXA CORE AN
System			
Processors	Intel® Core™ i3-1315U Processor 10M Cache, up to 4.50 GHz Intel® Core™ i5-1335U Processor 12M Cache, up to 4.60 GHz"	Intel® Core™ i3-1215U Processor 10M Cache, up to 4.40 GHz Intel® Core™ i5-1235U Processor 12M Cache, up to 4.40 GHz"	Intel® Processor N97 6M Cache, up to 3.60 GHz
Chipset	Intel® Raptor Lake	Intel® Alder Lake-P	Intel® Alder Lake-N
Memory	4GB Standard (DDR4 3200 MT/s, Socket 1 x SODIMM, Max. 32GB)		4GB Standard (DDR4 3200 MT/s, Socket 1 x SODIMM, Max. 16GB)
Storage	1. Form Factor NVMe M.2 2242-D2-M (No capacity limit.) 2. Mountable quantity: Up to 2 units can be installed. * Factory Default : NVMe M.2 2242 128GB x 1		
Audio	HD Audio Codec		
RAID	RAID 0,1		Not Supported
Operating Systems	Windows 10 IoT Enterprise LTSC Ver. 21H2 or higher Windows 11 IoT Enterprise LTSC Ver. 24H2 or higher		
TPM	TPM 2.0		

APEXA® CORE



Superior performance

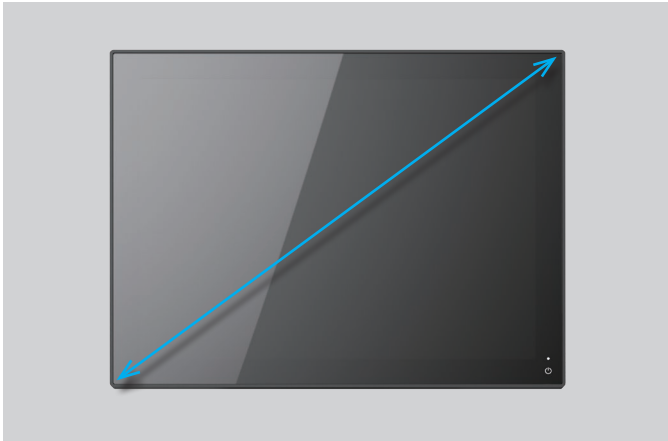




Powerful performance

APEXA® CORE Display

15.6"



15"



	APEXA CORE RL	APEXA CORE AP	APEXA CORE AN
Display			
	APEXA CORE RL-1560	APEXA CORE AP-1560	APEXA CORE AN-1560
Type	15.6" FHD TFT LCD, LED Backlight		
Resolution	1920 x 1080		
Brightness	300 cd/m² (typ.)		
Touchscreen	Projected Capacitive Touch, AF		
	APEXA CORE RL-1500	APEXA CORE AP-1500	APEXA CORE AN-1500
Type	15" TFT LCD, LED Backlight		
Resolution	1024 x 768		
Brightness	350 cd/m² (typ.)		
Touchscreen	Projected Capacitive Touch, AF		

APEXA® CORE Interface

	APEXA CORE RL	APEXA CORE AP	APEXA CORE AN
Interface			
Display	2 (1 x miniDP, 1 x USB Type-C (Alt-Mode))		
USB	8 (2 x USB 3.0, 5 x USB 2.0, 1 x USB Type-C)		
Serial	4 (COM1, RJ45 with 5V/12V Power Output on 6 Pins, BIOS COM2~3, RJ-45, Full Signal COM5, Full Signal)		
LAN	1 x Gigabit Ethernet (RJ-45)		
CashDrawer Port	1 x RJ-12 (Integrated circuit GPIO)		
Audio Port	1 x Line out		
Speaker	1 x 1W (Mono)		
Power			
Power Supply	- 12V, 5A (Normal) - 24V, 6.35A (EXT I/O BOX Option)		

APEXA® CORE I/O Ports

REAR

① AUDIO ② USB ③ LAN ④ DC IN ⑤ COM3 ⑥ COM2 ⑦ USB-C ⑧ USB ⑨ POWER SW
⑩ USB ⑪ miniDP ⑫ COM1

FRONT

⑬ Cash Drawer ⑭ 4 x USB ⑮ COM5

DCIN Voltage		+24V	+12V
USB	USB 2.0	x 4	x 4
	+24V Powered USB	x 1	NO
	+12V Powered USB	x 1	NO
Serial	RJ45	NO	x 1
CashDrawer	RJ12	NO	x 1

APEXA® CORE Physical & Environmental

	APEXA CORE RL	APEXA CORE AP	APEXA CORE AN
Physical & Environmental			
Operating Temperature	0 °C ~ 60 °C at 10% to 90% Humidity		
Storage Temperature	-20 °C ~ 80 °C at 10% to 90% Humidity		
	APEXA CORE RL-1560	APEXA CORE AP-1560	APEXA CORE AN-1560
Dimensions (W x D x H)	372 x 230 x 303 (mm), 14.6 x 9.0 x 11.9 (in)		
Packing Dimensions (W x D x H)	435 x 165 x 485 (mm), 17.1 x 6.5 x 19.1 (in)		
Net Weight	3,400g, 7.5 lbs		
Packing Weight	4,500g, 9.9 lbs		
	APEXA CORE RL-1500	APEXA CORE AP-1500	APEXA CORE AN-1500
Dimensions (W x D x H)	351 x 206 x 308 (mm), 13.8 x 8.11 x 13.8 (in)		
Packing Dimensions (W x D x H)	435 x 165 x 485 (mm), 17.1 x 6.5 x 19.1 (in)		
Net Weight	4,410g, 9.7 lbs		
Packing Weight	5,500g, 12.1 lbs		
	APEXA CORE RL	APEXA CORE AP	APEXA CORE AN
Certification	CE, FCC, KC		
Color	Dark Grey / White		

APEXA® CORE Options & Peripherals

	APEXA CORE RL	APEXA CORE AP	APEXA CORE AN
Options & Peripherals			
Optional Display	- 2nd Display (9.7" (1024 x 768) - 2nd Display (10.1" (1280 x 800) - 2nd Display (15" (1024 x 768) - 2nd Display (15.6" (1920 x 1080) - VFD (2 Lines x 20 Columns)		
Optional I/O Box	- USB 2.0 x 2 (Factory option) - Option 1 : 2 x 12V Powered USB 2.0 / 1 x 24V Powered USB 2.0 / 2 x RJ45 (Full Signal) - Option 2 : 1 x 12V Powered USB 2.0 / 1 x 24V Powered USB 2.0 / 2 x USB 2.0 / 2 x RJ45 (Full Signal) - Option 3 : 1 x 12V Powered USB 2.0 / 4 x USB 2.0 / 2 x RJ45 (Full Signal) - Option 4 : 6 x USB 2.0 / 2 x RJ45 (Full Signal)		
Storage	M.2 2242 128GB (NVMe)		
Wi-Fi / BT	Combo module Wi-Fi / BT (SMT, Factory option)		
MSR	Comply with ISO 7811, Support 1/2/3 Track		
Smart Card Reader	EMV Level 1		
Key Reader	Supported, Dallas i-Button Reader		
Fingerprint Reader	Supported		
Wall Mounting	VESA, 75 x 75 (mm), 100 x 100 (mm)		
Serial Conversion Cable	RJ-45 to D-sub 9 for Interface Option 2, 3		

*Specifications may change without prior notice.

APEXA® CX

APEXA CX has improved economic efficiency and convenience by applying SATA SSD to APEXA CORE’s compact 15-inch display. It applies 12th generation CPU to realize excellent performance of the system in restaurants and retail stores without functional degradation.



APEXA® CX Features



Ultra thin bezel



High Performance



SATA SSD



Useful I/O ports

APEXA® CX System

APEXA® CX	
System	
Processors	Intel® Processor N97 6M Cache, up to 3.60 GHz Intel® Processor N95 6M Cache, up to 3.60 GHz
Chipset	Intel® Alder Lake-N
Memory	4GB Standard (DDR4 3200 MT/s, Socket 1 x SODIMM, Max. 16GB)
Storage	SATA 3 (6GB/s) 2.5 inch SSD 64GB, Support AHCI
Audio	HD Audio Codec
Operating Systems	Windows 10 IoT Enterprise LTSC Ver. 21H2 or higher Windows 11 IoT Enterprise LTSC Ver. 24H2 or higher
TPM	TPM 2.0

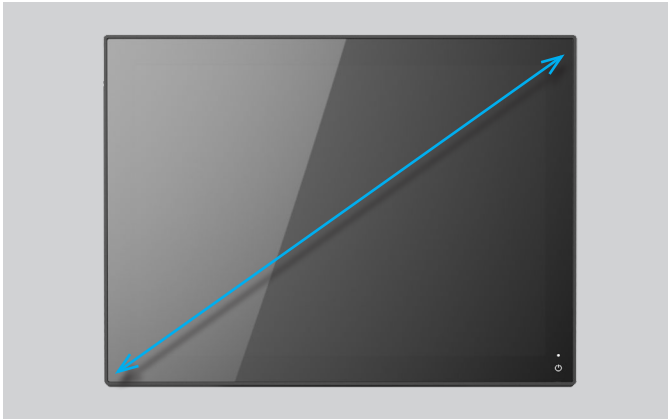
APEXA® CX



Powerful performance

APEXA® CX Display

15"



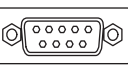
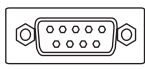
APEXA® CX	
Display	
Type	15" TFT LCD, LED Backlight
Resolution	1024 x 768
Brightness	450 cd/m² (Typ.)
Touchscreen	Projected Capacitive Touch
Interface	
Display	1 x miniDP (With Power Output)
USB	6 (2 x USB 3.0, 4 x USB 2.0)
Serial	4 (COM1, DB9, Full Signal, with 5V/12V Power Output on 9 Pins, BIOS COM2, RJ-45, Full Signal, with 5V/12V Power Output on 1 Pins, BIOS COM3, RJ-45, Full Signal COM5, DB9, Full Signal)
LAN	1 x Gigabit Ethernet (RJ-45)
CashDrawer Port	1 x RJ-12 (Integrated circuit GPIO)
Audio Port	1 x Line out
Speaker	1 x 1W (Mono, Factory Option)
Power	
Power Supply	Adapter 12V, 5A (DIN 4 Pin Jack)

APEXA® CX Interface & Option & Peripherals

APEXA® CX	
Physical & Environmental	
Operating Temperature	0 °C ~ 60 °C at 10% to 90% Humidity
Storage Temperature	-20 °C ~ 80 °C at 10% to 90% Humidity
Dimensions (W x D x H)	351 x 206 x 308 (mm), 13.8 x 8.11 x 13.8 (in)
Packing Dimensions (W x D x H)	435 x 165 x 485 (mm), 17.1 x 6.5 x 19.1 (in)
Net Weight	4,410g, 9.7 lbs
Packing Weight	5,500g, 12.1 lbs
Certification	CE, FCC, KC
Color	Dark Grey / White
Options & Peripherals	
Optional Display	- 2nd Display (9.7" (1024 x 768)) - 2nd Display (10.1" (1280 x 800)) - 2nd Display (15" (1024 x 768)) - 2nd Display (15.6" (1920 x 1080)) - VFD (2 Lines x 20 Columns)
Storage	- 2.5 inch SSD 128GB, HDD 500GB, 1TB - NVMe M.2 2242-D2-M, 128GB
MSR	Comply with ISO 7811, Support 1/2/3 Track
Smart Card Reader	EMV Level 1
Key Reader	Supported, Dallas i-Button Reader
Fingerprint Reader	Supported
Wall Mounting	VESA, 75 x 75 (mm), 100 x 100 (mm)
Serial Conversion Cable	RJ-45 to D-sub 9

*Specifications may change without prior notice.

APEXA® CX I/O Ports



① COM1 ② COM2 ③ COM3 ④ miniDP ⑤ POWER connector

⑥ LAN ⑦ USB ⑧ COM5 ⑨ MSR ⑩ AUDIO

⑪ Cash Drawer

⑫ USB ⑬ USB

APEXA®

APEXA®'s unrivaled innovative design enables customers to enjoy space efficiency and usability at the same time. APEXA® features powerful performance, superior touch display, multiple I/O interfaces and flexible installation.



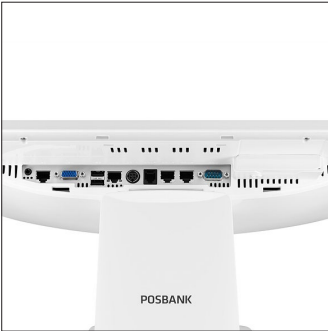
APEXA® Features



Compact, modern design



OS Support



Multiple I/O Interfaces



Flexible installation

APEXA® System

	APEXA® RL	APEXA® AP	APEXA® AN	APEXA® A2
System	Windows			Android
Processors	Intel® Core™ i3-1315U Processor 10M Cache, up to 4.50 GHz Intel® Core™ i5-1335U Processor 12M Cache, up to 4.60 GHz	Intel® Core™ i3-1215U Processor 10M Cache, up to 4.40 GHz Intel® Core™ i5-1235U Processor 12M Cache, up to 4.40 GHz	Intel® Processor N97 6M Cache, up to 3.60 GHz	RK3399 Dual-core Cortex-A72 up to 1.8GHz Quad-core Cortex-A53 up to 1.4GHz
Chipset	Intel® Raptor Lake	Intel® Alder Lake-P	Intel® Alder Lake-N	-
Memory	4GB Standard (DDR43200 MT/s, Socket 1 x SODIMM, Max. 96GB)	4GB Standard (DDR4 3200 MT/s, Socket 1 x SODIMM, Max. 32GB),	4GB Standard (DDR4 3200 MT/s, Socket 1 x SODIMM, Max. 16GB),	4GB Standard, LPDDR4
Storage	Form factor : SATA 3 (6GB/s) 2.5 inch SSD 64GB, Support AHCI			eMMC 32GB (Max.64GB)
RAID	RAID 0,1		Not supported	
Operating Systems	Windows 10 IoT Enterprise LTSC Ver. 21H2 or higher Windows 11 IoT Enterprise LTSC Ver. 24H2 or higher			Android 9.0/ 12
TPM	TPM 2.0			Not Supported

APEXA®



Superior performance



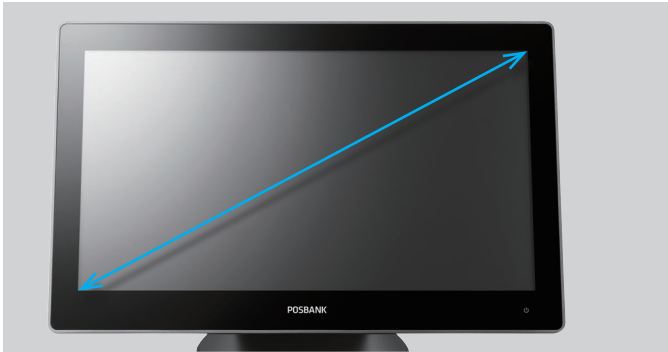
Powerful performance



Efficient performance

APEXA® Display

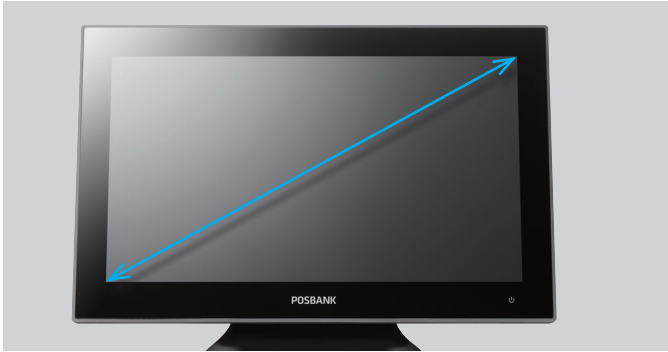
21.5"



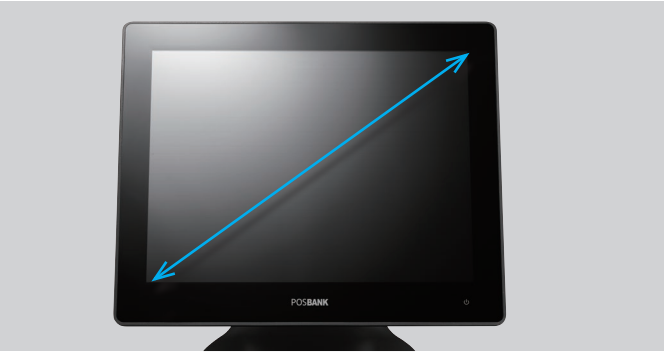
15.6"FH



15.6"



15"

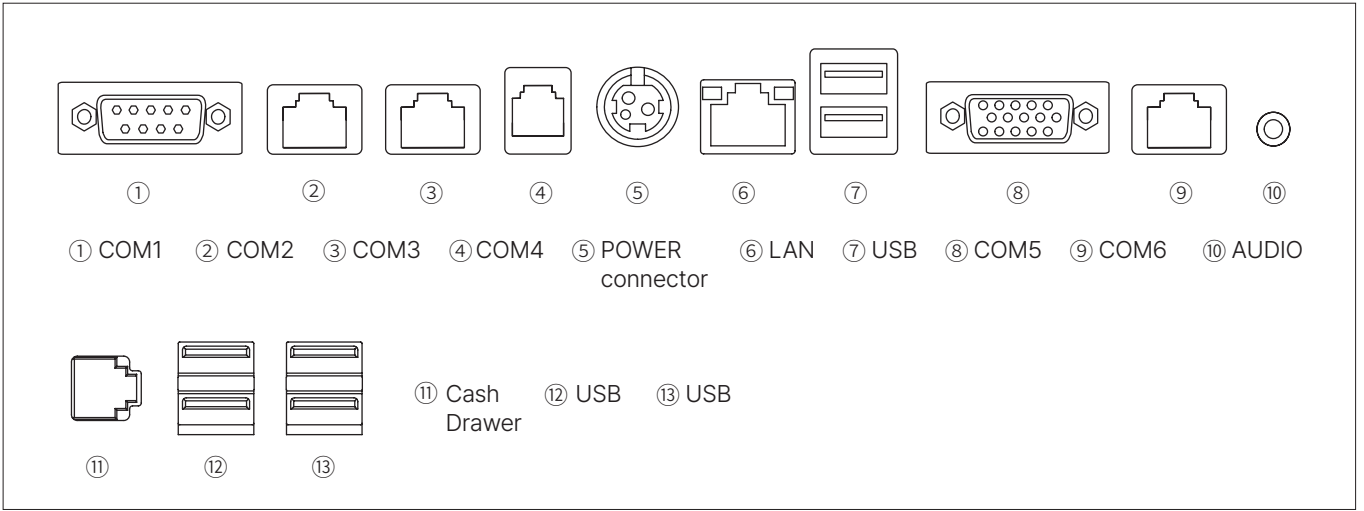


	APEXA® RL	APEXA® AP	APEXA® AN	APEXA® A2
Display				
	APEXA® RL-2150	APEXA® AP-2150	APEXA® AN-2150	APEXA® A2-2150
Type	21.5" TFT LCD, LED Backlight			
Resolution	1920 x 1080			
Brightness	300 cd/m² (typ.)			
Touchscreen	Projected Capacitive Touch			
	APEXA® RL-1560FH	APEXA® AP-1560FH	APEXA® AN-1560FH	APEXA® A2-1560FH
Type	15.6" TFT LCD, LED Backlight			
Resolution	1920 x 1080			
Brightness	400 cd/m² (typ.)			
Touchscreen	Projected Capacitive Touch			
	APEXA® RL-1560	APEXA® AP-1560	APEXA® AN-1560	APEXA® A2-1560
Type	15.6" TFT LCD, LED Backlight			
Resolution	1366 x 768			
Brightness	400 cd/m² (typ.)			
Touchscreen	Projected Capacitive Touch			
	APEXA® RL-1500	APEXA® AP-1500	APEXA® AN-1500	APEXA® A2-1500
Type	15" TFT LCD, LED Backlight			
Resolution	1024 x 768			
Brightness	300 cd/m² (typ.)			
Touchscreen	Projected Capacitive Touch			

APEXA® Interface

	APEXA® RL	APEXA® AP	APEXA® AN	APEXA® A2
Interface				
Display	1 x VGA (With Power Output)			
USB	4 (2 x USB 3.0, 2 x USB 2.0)			
Serial	4 (COM 1, with 5V/12V Power Output on 9 Pins, BIOS COM2~3, RJ-45, Full Signal COM4, RJ-12, Only Tx/Rx, 12V Power Output, Reserved for CDP COM6, RJ-45, Only Tx/Rx, 5V Power Output, Reserved for MSR)			
LAN	1 x Gigabit Ethernet (RJ-45)			
CashDrawer Port	1 x RJ-12 (Integrated circuit GPIO)			
Audio Port	1 x Line out			
Speaker	2 x 1W (Stereo, Factory Option)			
Power				
Power Supply	- 24V, 2.5A (DIN 3 Pin Jack, Normal) - 24V, 6.35A (Powered USB Option)			

APEXA® I/O Ports



APEXA® Physical & Environmental

	APEXA® RL	APEXA® AP	APEXA® AN	APEXA® A2
Physical & Environmental				
Operating Temperature	0 °C ~ 60 °C at 10% to 90% Humidity			
Storage Temperature	-20 °C ~ 80 °C at 10% to 90% Humidity			
	APEXA® RL-2150	APEXA® AP-2150	APEXA® AN-2150	APEXA® A2-2150
Dimensions (W x D x H)	520 x 200 x 339 (mm), 20.4 x 7.9 x 13.3 (in)			
Packing Dimensions (W x D x H)	640 x 300 x 465 (mm), 25.2 x 11.8 x 18.3 (in)			
Net Weight	6,900kg, 15.21 lbs			
Packing Weight	11,300kg, 24.91 lbs			
	APEXA® RL-1560FH	APEXA® AP-1560FH	APEXA® AN-1560FH	APEXA® A2-1560FH
Dimensions (W x D x H)	400 x 210 x 311 (mm), 15.7 x 8.3 x 12.2 (in)			
Packing Dimensions (W x D x H)	500 x 300 x 470 (mm), 19.6 x 11.8 x 18.5 (in)			
Net Weight	5,000g, 15.43 lbs			
Packing Weight	9,000g, 19.84 lbs			
	APEXA® RL-1560	APEXA® AP-1560	APEXA® AN-1560	APEXA® A2-1560
Dimensions (W x D x H)	400 x 210 x 311 (mm), 15.7 x 8.3 x 12.2 (in)			
Packing Dimensions (W x D x H)	500 x 300 x 470 (mm), 19.6 x 11.8 x 18.5 (in)			
Net Weight	5,000g, 15.43 lbs			
Packing Weight	9,000g, 19.84 lbs			
	APEXA® RL-1500	APEXA® AP-1500	APEXA® AN-1500	APEXA® A2-1500
Dimensions (W x D x H)	364 x 210 x 333 (mm), 14.3 x 8.2 x 13.1 (in)			
Packing Dimensions (W x D x H)	500 x 300 x 470 (mm), 19.6 x 11.8 x 18.5 (in)			
Net Weight	5,300g, 11.68 lbs			
Packing Weight	8,000g, 17.63 lbs			
	APEXA® RL	APEXA® AP	APEXA® AN	APEXA® A2
Certification	CE, FCC, KC			
Color	Dark Grey, High Gloss White			

APEXA® Options & Peripherals

	APEXA® RL	APEXA® AP	APEXA® AN	APEXA® A2
Options & Peripherals				
Optional Display	2nd Display : 9.7" (1024 x 768) 2nd Display : 15" (1024 x 768) VFD : 2 Lines x 20 Columns			
Optional I/O Board	- Option 1 : 1 x Gigabit Ethernet (RJ-45) + 2 x USB 2.0 (Factory option) - Option 2 : 1 x 12V Powered USB 2.0 + 1 x 24V Powered USB 2.0 (Factory option) - Option 3 : 1 x 12V Powered USB 2.0 + 1 x 12V Powered USB 2.0 (Factory option) - Option 4 : 1 x 24V Powered USB 2.0 + 1 x 24V Powered USB 2.0 (Factory option) - Option 5 : 1 x 12V Powered USB 2.0 + 2 x USB 2.0 (Factory option) - Option 6 : 1 x 24V Powered USB 2.0 + 2 x USB 2.0 (Factory option) - Option 7 : 1 x COM5 (RJ-45, Full signal) + 2 x USB 2.0 (Factory option) - Option 8 : 4 x USB 2.0 (Factory option)			
Storage	- Default: 2.5 inch SSD 128GB, HDD 500GB, 1TB - Option: M.2 2242-D2-M(SATA or NVMe)			
Wi-Fi / BT	M.2 for Wi-Fi/BT (Factory option)			
MSR	Comply with ISO 7811, Support 1/2/3 Track			
Smart Card Reader	EMV Level 1			
Key Reader	Supported, Dallas i-Button Reader			
Fingerprint Reader	Supported			
Wall Mounting	VESA, 75 x 75 (mm), 100 x 100 (mm)			
Serial Conversion Cable	RJ-45 to D-sub 9			-

*Specifications may change without prior notice.

APEXA® Options



2nd DISPLAY



VFD



MSR

APEXA® X

APEXA X is equipped with a compact monitor screen and can perform various powerful functions required in the retail and restaurant industries with the Intel N97 that uses Intel’s 12th generation Alder Lake.



APEXA® X Features



Compact, modern design



OS Support



Mini DP Port



Flexible installation

APEXA® X System

APEXA® X	
System	
Processors	Intel® Processor N97 6M Cache, up to 3.60 GHz
Chipset	Intel® Alder Lake-N
Memory	4GB Standard (DDR4 3200 MT/s, Socket 1 x SODIMM, Max. 16GB)
Storage	Form factor : SATA 3 (6GB/s) 2.5 inch SSD 64GB, Support AHCI
Audio	HD Audio Codec
Operating Systems	Windows 10 IoT Enterprise LTSC Ver. 21H2 or higher Windows 11 IoT Enterprise LTSC Ver. 24H2 or higher
TPM	TPM 2.0

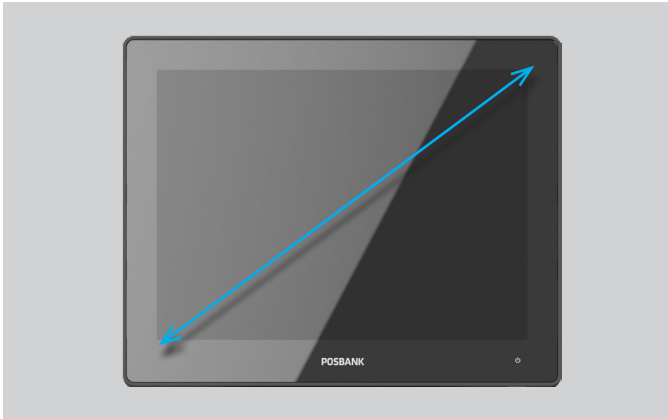
APEXA® X



Powerful performance

APEXA® X Display

15"



APEXA® X	
Display	
	APEXA® X-1500
Type	15" TFT LCD, LED Backlight
Resolution	1024 x 768
Brightness	300 cd/m ² (typ.)
Touchscreen	Projected Capacitive Touch
Interface	
Display	1 x Displayport (miniDP/ With Power Output)
USB	6 (2 x USB 3.0, 4 x USB 2.0)
Serial	4 (COM1, Dsub-9, with 5V/12V Power Output on 9 Pins, BIOS COM2~3, RJ-45, Full Signal COM5, Dsub-9, Full Signal)
CashDrawer Port	1 x Gigabit Ethernet (RJ-45)
LAN	1 x RJ-12 (Integrated circuit GPIO)
Audio Port	1 x Line out
Speaker	2 x 1W (Stereo) (Factory Option)
Power	
Power Supply	Adapter 12V, 5A (DIN 4 Pin Jack)

APEXA® X Interface I Option & Peripherals

APEXA® X	
Physical & Environmental	
	APEXA® X-1500
Operating Temperature	0 °C ~ 60 °C at 10% to 90% Humidity
Storage Temperature	-20 °C ~ 80 °C at 10% to 90% Humidity
Dimensions (W x D x H)	364 x 210 x 333 (mm), 14.3 x 8.2 x 13.1 (in)
Packing Dimensions (W x D x H)	500 x 300 x 470 (mm), 19.6 x 11.8 x 18.5 (in)
Net Weight	5,300g, 11.68 lbs
Packing Weight	8,000g, 17.63 lbs
Certification	CE, FCC, KC
Color	Dark Grey / High Gloss White
Options & Peripherals	
Optional Display	- 2nd Display : 9.7" (1024 x 768) - 2nd Display : 15" (1024 x 768) - VFD : 2 Lines x 20 Columns
Storage	- 2.5 inch SSD 128GB, HDD 500GB, 1TB - NVMe M.2 2242-D2-M, 128GB
Wi-Fi / BT	M.2 for Wi-Fi/BT (Factory option)
MSR	Comply with ISO 7811, Support 1/2/3 Track
Smart Card Reader	EMV Level 1
Key Reader	Supported, Dallas i-Button Reader
Fingerprint Reader	Supported
Wall Mount Kit	VESA, 75 x 75 (mm), 100 x 100 (mm)
Serial Conversion Cable	RJ-45 to D-sub 9

*Specifications may change without prior notice.

EDGE

EDGE was born with an ultra-slim design and a fanless structure. It supports both Android and Windows operating systems with the latest CPUs, supporting GMS authentication and MDM solutions. It boasts a slimmer and more edgy design and is a POS device loved by various industries such as restaurants and retail.



EDGE Features



OS supported



Efficient use of heat sink



GMS Certification



Slim, sleek design

EDGE System

EDGE					
System					
	EDGE AP	EDGE AN	EDGE Q	EDGE A4	EDGE A2
Processors	Intel® Core™ i3-1215U Processor 10M Cache, up to 4.40 GHz Intel® Core™ i5-1235U Processor 12M Cache, up to 4.40 GHz	Intel® Processor N97 6M Cache, up to 3.60 GHz	QCS6490 Kryo670 1 x Gold @ 2.7GHz, 3 x Gold @ 2.4GHz, 4 x Silver@1.95GHz	RK3576 Quad Cortex-A72 @ 2.2 GHz Quad Cortex-A53 @ 2.0 GHz	RK3399 Dual-core Cortex-A72 up to 1.8GHz Quad-core Cortex-A53 up to 1.4GHz
Chipset	Intel® Alder Lake-P	Intel Alder Lake-N	-	-	-
Memory	4GB (DDR4 3200 MT/s, Max 64GB)	4GB Standard (DDR4 3200 MT/s, Socket 1 x SODIMM, Max. 16GB)	DDR4 6GB (Max 16GB)	DDR4 6GB (Max 16GB)	4GB Standard, LPDDR4, On-board
Storage	Form factor : NVMe M.2 2242-D2-M (No capacity limit) Mountable : 1 x NVMe M.2 2242 128GB (Factory default)		UFS 128GB (Max 128GB)	eMMC 128GB (Max 128GB)	eMMC 32GB, On-board (Max.64GB)
Audio	HD Audio Codec				
Operating Systems	Windows 10 IoT Enterprise LTSC Ver. 21H2 or higher Windows 11 IoT Enterprise LTSC Ver. 24H2 or higher		Android 13	Android 14 GMS	Android 9 / 12 GMS
TPM	TPM 2.0		N/A		

EDGE



Powerful performance



Excellent performance



Efficient performance

EDGE Display I Interface

15.6"



EDGE					
Display					
Type	15.6" TFT LCD, LED Backlight (eDP Interface)				
Resolution	1920 x 1080				
Brightness	350 cd/m²				
Response	20ms				
Contrast Ratio	1200 (Typ.)				
Touchscreen	Projected Capacitive Touch				
Interface					
	EDGE AP	EDGE AN	EDGE Q	EDGE A4	EDGE A2
Display	1 x Displayport (miniDP)				
Interface	eDP				
USB	4 (2 x USB 3.0, 2 x USB 2.0)		5 (1 x USB C-Type, 4 x USB 2.0)		
Serial	2 (COM1~2, RJ-45, Full Signal)		1 (COM3, RJ-45, Full Signal)		
CashDrawer Port	1 x RJ-12 (Integrated circuit GPIO)				
LAN	1 x Gigabit Ethernet (RJ-45)				
Wi-Fi / BT	N/A		Wi-Fi 2.4G/5G, BT 5.3 Combo MIMO		Wi-Fi 2.4G/5G, BT 5.0 Combo
Speaker	1 x 1W (Mono)				
Audio Port	1 x Line-out				
Power					
Power Supply	Adaptor 12V, 5A(C-Type Plug)		Adapter 12V, 5A (DIN 4 Pin Jack)		

EDGE I/O Ports

Windows									
	Audio	COM1	COM2	USB	Drawer Kicker	USB	LAN	Power	2nd Display
Android									
	Audio	Power	LAN	USB	Drawer Kicker	USB	COM1	USB-C	2nd Display

EDGE Physical & Environmental

EDGE	
Physical & Environmental	
Operating Temperature	0 °C ~ 60 °C at 10% to 90% Humidity
Storage Temperature	-20 °C ~ 80 °C at 10% to 90% Humidity
Dimensions (W x D x H)	367 x 180 x 289 (mm), 14.4 x 7 x 11.4 (in)
Packing Dimensions (W x D x H)	455 x 163 x 308 (mm), 17.9 x 6.4 x 12.1 (in)
Net Weight	3,330g, 7.35 lbs
Packing Weight	5,030g, 11.09 lbs
Certification	CE, FCC, KC
Color	Space Grey / White / Black

EDGE Option & Peripherals

EDGE					
Options & Peripherals					
Optional Display	- 2nd Display (9.7" (1024 x 768)) - 2nd Display (10.1" (1280 x 800)) - 2nd Display (15" (1024 x 768)) - 2nd Display (15.6" (1920 x 1080)) - VFD (2 Lines x 20 Columns)				
Optional I/O Box	- USB 2.0 x 2 (Factory option) - Option 1 : 2 x 12V Powered USB 2.0 / 1 x 24V Powered USB 2.0 / 2 x RJ45 (Full Signal) - Option 2 : 1 x 12V Powered USB 2.0 / 1 x 24V Powered USB 2.0 / 2 x USB 2.0 / 2 x RJ45 (Full Signal) - Option 3 : 1 x 12V Powered USB 2.0 / 4 x USB 2.0 / 2 x RJ45 (Full Signal) - Option 4 : 6 x USB 2.0 / 2 x RJ45 (Full Signal)				
MSR	Comply with ISO 7811, Support 1/2/3 Track				
Smart Card Reader	EMV Level 1				
	EDGE AP	EDGE AN	EDGE Q1	EDGE A4	EDGE A2
NFC Reader	N/A		2nd Display (Optional)		Not supported
Key Reader	Dallas i-button Reader				
Fingerprint	Supported				
GPS	N/A		Factory Option		Not supported
Wall Mount Kit	VESA, 75 x 75 (mm), 100 x 100 (mm)				
Serial Conversion Cable	RJ-45 to D-sub 9				

*Specifications may change without prior notice.

ACT

ACT is an Android-based POS equipped with the latest Android 12 version, and can manage devices safely and efficiently with GMS authentication and mobile device management solutions. ACT also implements efficient performance by mounting the latest Intel processor, a Windows operating system.



ACT Features

OS Support

GMS Certification

Slim, sleek design

External I/O box

ACT System

ACT				
System				
	ACT AN	ACT Q	ACT A4	ACT A2
Processors	Intel® Processor N97 6M Cache, up to 3.60 GHz	QCS6490 Kryo670 1 x Gold @ 2.7GHz, 3 x Gold @ 2.4GHz, 4 x Silver @ 1.95GHz	RK3576 Quad Cortex-A72 @ 2.2 GHz Quad Cortex-A53 @ 2.0 GHz	RK3399 Dual-core Cortex-A72 up to 1.8GHz Quad-core Cortex-A53 up to 1.4GHz
Chipset	Intel Alder Lake-N	N/A		
Memory	4GB Standard (DDR4 3200 MT/s, Socket 1 x SODIMM, Max. 16GB)	DDR4 6GB (Max 32GB)	DDR4 6GB (Max 16GB)	LPDDR4, 4GB Standard, On-board
Storage	Form factor : NVMe M.2 2242-D2-M (No capacity limit) Mountable : 1 x NVMe M.2 2242 128GB (Factory default)	UFS 128GB (Max 128GB)	eMMC 128GB (Max 128GB)	eMMC 32GB, On-board (Max.64GB)
Audio	HD Audio Codec			
Operating Systems	Windows 10 IoT Enterprise LTSC Ver. 21H2 or higher Windows 11 IoT Enterprise LTSC Ver. 24H2 or higher	Android 13	Android 14 GMS	Android 9 / 12 GMS
TPM	TPM 2.0	N/A		

ACT

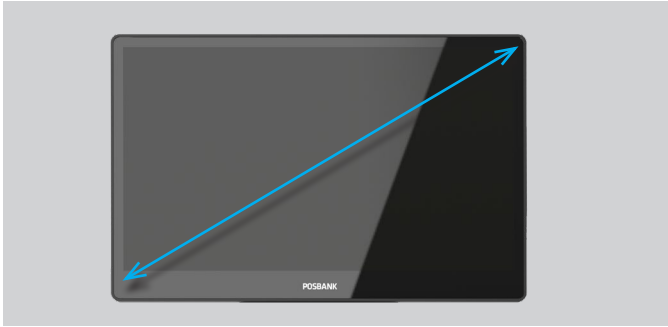
Powerful performance

Excellent performance

Efficient performance

ACT Display I Interface

15.6"



ACT				
Display				
Type	15.6" TFT LCD, LED Backlight (eDP Interface)			
Resolution	1920 x 1080			
Brightness	350 cd/m²			
Response	20ms			
Contrast Ratio	1200 (Typ.)			
Touchscreen	Projected Capacitive Touch			
Interface				
	ACT AN	ACT Q	ACT A4	ACT A2
Display	1 x Displayport (miniDP)			
Interface	eDP			
USB	4 (2 x USB 3.0, 2 x USB 2.0)	5 (1 x USB C-Type, 4 x USB 2.0)		
Serial	2 (COM1~2, RJ-45, Full Signal)	1 (COM3, RJ-45, Full Signal)		
CashDrawer Port	1 x RJ-12 (Integrated circuit GPIO)			
LAN	1 x Gigabit Ethernet (RJ-45)			
Wi-Fi / BT	N/A	Wi-Fi 2.4G/5G, BT 5.3 Combo MIMO		Wi-Fi 2.4G/5G, BT 5.0 Combo
Audio Port	1 x 1W (Mono)			
Speaker	1 x Line-out			
Power				
Power Supply	Adaptor 12V, 5A(C-Type Plug)	Adaptor 12V, 5A (DIN 4 Pin Jack)		

ACT I/O Ports

Windows		① AUDIO ② USB 3.0 ③ LAN ④ COM1 ⑤ Drawer Kicker ⑥ POWER ⑦ COM2 ⑧ USB 2.0 ⑨ 2nd Display
Android		① AUDIO ② USB 2.0 ③ COM1 ④ POWER ⑤ Drawer Kicker ⑥ USB-C ⑦ LAN ⑧ USB 2.0 ⑨ 2nd Display

ACT Physical & Environmental

ACT	
Physical & Environmental	
Operating Temperature	0 °C ~ 60 °C at 10% to 90% Humidity
Storage Temperature	-20 °C ~ 80 °C at 10% to 90% Humidity
Dimensions (W x D x H)	367 x 180 x 289 (mm), 14.4 x 7 x 11.4 (in)
Packing Dimensions (W x D x H)	455 x 308 x 163 (mm), 17.9 x 12.1 x 6.4 (in)
Net Weight	2.900g, 6.39 lbs
Packing Weight	4,600g, 10.14 lbs
Certification	CE, FCC, KC
Color	Dark Grey / White

ACT Option & Peripherals

ACT			
Options & Peripherals			
Optional Display	- 2nd Display (9.7" (1024 x 768)) - 2nd Display (10.1" (1280 x 800)) - 2nd Display (15" (1024 x 768)) - 2nd Display (15.6" (1920 x 1080)) - VFD (2 Lines x 20 Columns)		
Optional I/O Box	- USB 2.0 x 2 (Factory option) - Option 1 : 2 x 12V Powered USB 2.0 / 1 x 24V Powered USB 2.0 / 2 x RJ45 (Full Signal) - Option 2 : 1 x 12V Powered USB 2.0 / 1 x 24V Powered USB 2.0 / 2 x USB 2.0 / 2 x RJ45 (Full Signal) - Option 3 : 1 x 12V Powered USB 2.0 / 4 x USB 2.0 / 2 x RJ45 (Full Signal) - Option 4 : 6 x USB 2.0 / 2 x RJ45 (Full Signal)		
MSR	Comply with ISO 7811, Support 1/2/3 Track		
Smart Card Reader	EMV Level 1		
NFC Reader	N/A	2nd Display (Optional)	Not supported
Key Reader	Dallas i-button Reader		
Fingerprint Reader	Yes		
GPS	N/A	Factory Option	Not supported
Wall Mount Kit	VESA-Compatible, 75 x 75 (mm), 100 x 100 (mm)		
Serial Conversion Cable	RJ-45 to D-sub 9		

*Specifications may change without prior notice.

MINT

MINT is a compact and powerful all-in-one POS terminal that allows payment and receipt printing with a single terminal. It features 10.1-inch screen display that can interchange directions for sign pad use with a simple tilt of a screen.



MINT Features



All-in-One



Tilting screen / Signpad



OS Support



10.1" Compact size

MINT System

MINT			
System	MINT TL	MINT EL	MINT A2
Processor	Intel® Processor N150 6M Cache, up to 3.60 GHz	Intel® Celeron® Processor J6412 1.5M Cache, up to 2.60 GHz	RK3399 Dual-core Cortex-A72 up to 1.8GHz Quad-core Cortex-A53 up to 1.4GHz
Chipset	Intel® Twin Lake	Intel® Elkhart Lake	-
Memory	4GB Standard (DDR4 3200 MT/s, Socket 1 x SODIMM, Max. 16GB)	4GB Standard (DDR4 3200 MT/s, Socket 1 x SODIMM, Max. 32GB)	4GB Standard, LPDDR4, On-board
Storage	Form factor : NVMe M.2 2242-D2-M (No capacity limit) Mountable : 1 x NVMe M.2 2242 128GB (Factory default)		eMMC 32GB, On-board (Max.64GB)
Audio	HD Audio Codec		
Built-in Printer	3" Jam-Free Thermal, Max. 250mm/s, Auto Cutter, Built-in Type		
Operating Systems	Windows 10 IoT Enterprise LTSC Ver. 21H2 or higher Windows 11 IoT Enterprise LTSC Ver. 24H2 or higher		Android 9 / 12 GMS
TPM	TPM 2.0		N/A

MINT

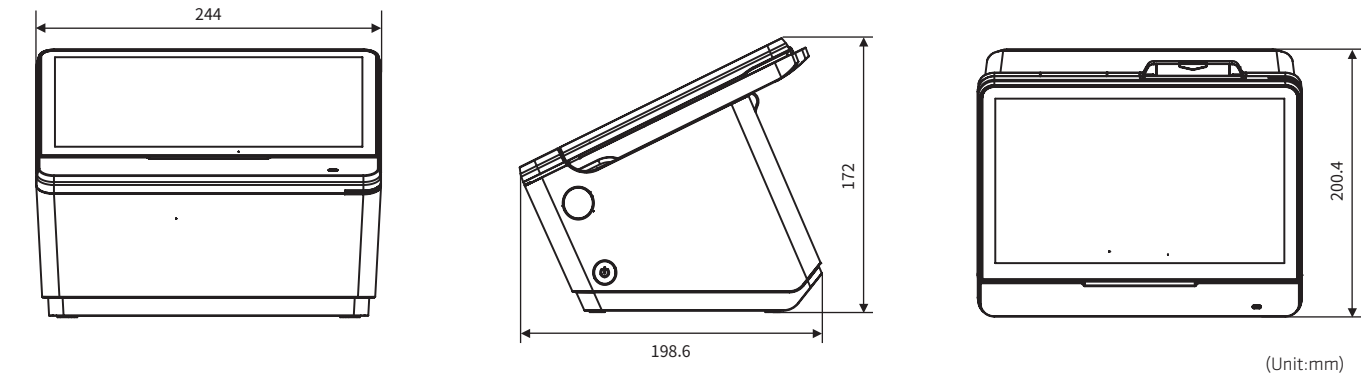


Powerful performance



Efficient performance

MINT Dimensions



MINT Display | Interface

10.1”



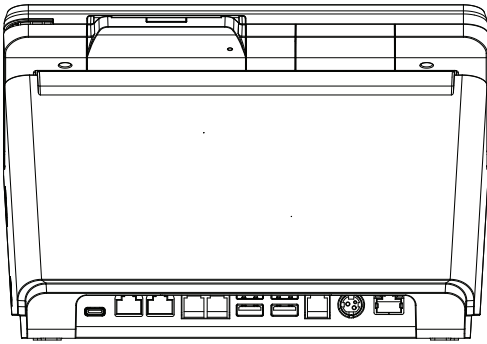
MINT			
Display			
Type	10.1" TFT LCD, LED Backlight		
Interface	LVDS		
Resolution	1280 x 800		
Brightness	400 cd/m ²		
Response	29ms		
Contrast Ratio	800 (Typ.)		
Touchscreen	Projected Capacitive Touch		
Interface			
	MINT TL	MINT EL	MINT A2
USB	5 (4 x USB 2.0, 1 x USB C-Type)		
Serial	4 (COM1~2, RJ-45, Full Signal) (COM3~4, RJ-12, Only Tx/Rx)		
CashDrawer Port	1 x RJ-12 (Integrated circuit GPIO)		
LAN	1 x Gigabit Ethernet (RJ-45)		
Wi-Fi / BT	N/A	Wi-Fi 2.4G/5G, BT 5.0 Combo (Factory Option)	
Speaker	1 x 1W (Mono)		
Power			
Power Supply	Adaptor 24V / 2.5A (DIN 3 Pin Jack)		

MINT Physical & Environmental | Options & Peripherals

MINT	
Physical & Environmental	
Operating Temperature	0 °C ~ 60 °C at 10% to 90% Humidity
Storage Temperature	-20 °C ~ 80 °C at 10% to 90% Humidity
Dimensions (W x D x H)	244 x 200 x 172 (mm), 9.6 x 8 x 6.8 (in)
Packing Dimensions (W x D x H)	320 x 330 x 316 (mm), 12.6 x 13 x 12.4 (in)
Net Weight	2,420g, 5.3 lbs
Packing Weight	4,200g, 9.26 lbs
Certification	CE, FCC, KC
Color	Black, White
Options & Peripherals	
MSR	Comply with ISO 7811, Support 1/2/3 Track
Smart Card Reader	EMV Level 1 (Factory option)
NFC Reader	MIFARE, FeliCa, ISO/IEC 14443A, ISO/IEC 14443B, ISO/IEC 15693

*Specifications may change without prior notice.

MINT I/O Ports





Windows

① USB-C ② COM1 ③ COM2 ④ COM3 ⑤ COM4 ⑥ USB 2.0
⑦ USB 2.0 / USB 3.0 ⑧ Drawer Kicker ⑨ DC 24V ⑩ LAN

Android

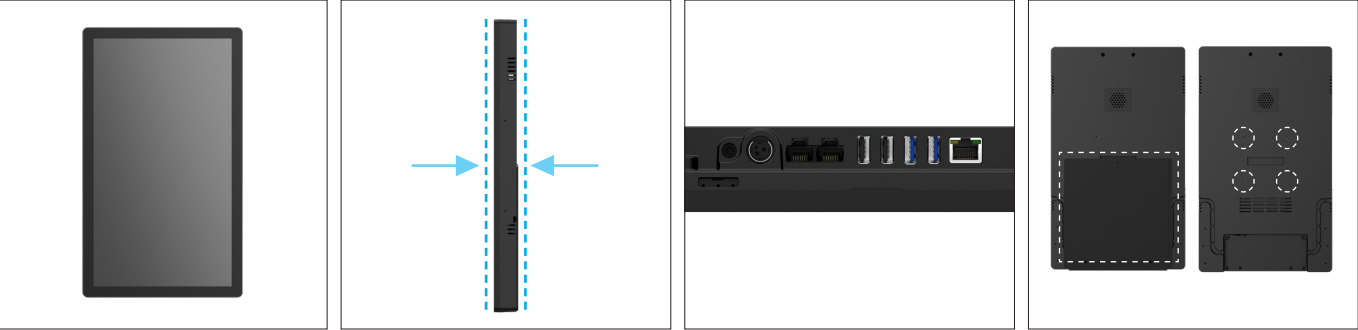
① USB-C ② COM1 ③ COM2 ④ COM3 ⑤ COM4 ⑥ USB 3.0
⑦ USB 2.0 ⑧ Drawer Kicker ⑨ DC 24V ⑩ LAN

PTM

The PTM 2150 is a type of panel PC. This kiosk or touch monitor eliminates payment modules and other accessories, maximizing cost-effectiveness while maintaining a minimalist design. Equipped with a 21.5" FHD industrial LED panel, it delivers a bright, clear display with low power consumption. It can be used in a variety of environments, including smart factory operation control and monitoring PCs, exhibitions, and digital signage for video.



PTM Features



I FHD LED panel I Ultra-slim I I/O scalability I Wall mount

PTM System

PTM	
System	
Processors	RK3399 Dual-core Cortex-A72 up to 1.8GHz Quad-core Cortex-A53 up to 1.4GHz
Chipset	-
Memory	DDR4 4GB Standard, On-board
Storage	eMMC 32GB, On-board (Max.64GB)
Audio	HD Audio Codec
RAID	Not supported
Operating Systems	Android 9 / 12 (GMS)

PTM



Efficient performance

PTM Display | Interface

21.5"



PTM	
Display	
	PTM A2-2150
Type	21.5" TFT LCD, LED Backlight
Resolution	1080 x 1920
Brightness	250 cd/m²
Response	14ms
Contrast Ratio	1000 (Typical)
Touchscreen	Projected Capacitive Touch
Interface	
USB	Default : 2(2 x USB 2.0) Extension : 4(2 x USB 2.0, 2 X USB 3.0)
Serial	Default : Not supported Extension : 2 (COM1~2, RJ-45 Full Signal)
LAN	1 x Gigabit Ethernet (RJ-45)
Wi-Fi / BT	Wi-Fi 2.4G/5G, BT 5.0 Combo
Audio Port	Default : Not supported Extension : 1 x Line out
Speaker	1 x 5W (Mono)
Power	
Power Supply	Adaptor 24V/6.35A, DIN 3 Pin Jack

PTM Physical & Environmental

PTM	
Physical & Environmental	
	PTM A2-2150
Operating Temperature	0 °C ~ 60 °C at 10% to 90% Humidity
Storage Temperature	-20 °C ~60 °C at 10% to 90% Humidity
Dimensions (W x D x H)	312.6 x 40.5 x 521 (mm), 12.3 x 1.59 x 20.5 (in)
Packing Dimensions (W x D x H)	635 x 160 x 436 (mm), 25 x 6.29 x 17.16 (in)
Net Weight	5,050g, 11.13 lbs
Packing Weight	7,840g, 17.26 lbs
Certification	CE, FCC, KC
Color	Black / White
Options & Peripherals	
Antenna	1 x External Antenna (Wi-Fi 2.4G/5G)

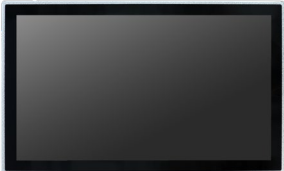
*Specifications may change without prior notice.

PTC

PTC is an open frame panel PC which is widely applied as a smart factory operation control or monitoring PC and is also configured for exhibitions and video digital signage.



PTC Features



21.5"/ 15.6"/ 15"



Options
(Scanner, MSR/SCR, NFC etc.)



Space saving



Easy cable routing and management

PTC System

	PTC RL	PTC AP	PTC AN
System			
Processors	Intel® Core™ i3-1315U Processor 10M Cache, up to 4.50 GHz Intel® Core™ i5-1335U Processor 12M Cache, up to 4.60 GHz	Intel® Core™ i3-1215U Processor 10M Cache, up to 4.40 GHz Intel® Core™ i5-1235U Processor 12M Cache, up to 4.40 GHz	Intel® Processor N97 6M Cache, up to 3.60 GHz
Chipset	Intel® Raptor Lake	Intel® Alder Lake-P	Intel® Alder Lake-N
Memory	4GB Standard (Max. 32GB), DDR4 3200 MT/s, Socket 1 x SODIMM		4GB Standard (Max. 16GB), DDR4 3200 MT/s, Socket 1 x SODIMM
Storage	SATA 3 (6GB/s) 2.5 inch SSD 64GB, Support AHCI	SATA 3 (6GB/s) 2.5 inch SSD 64GB, Support AHCI	SATA 3 (6GB/s) 2.5 inch SSD 64GB, Support AHCI
RAID	RAID 0,1		-
Operating Systems	Windows 10 IoT LTSC 21H1 Windows 11 IoT LTSC 24H2		
TPM	Support		
Audio	HD Audio Codec		

PTC



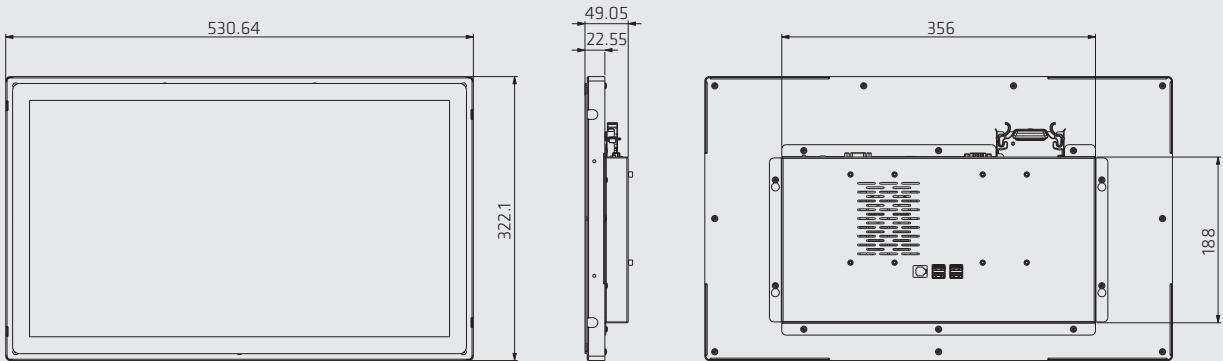
Superior performance





Powerful performance

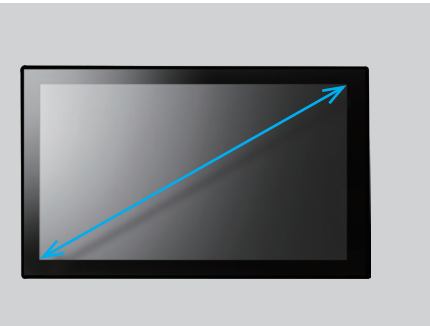
PTC Dimensions



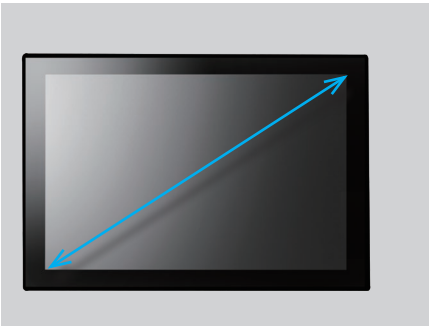
(Unit:mm)

PTC Display

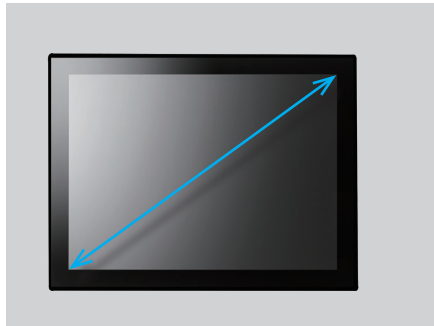
21.5"



15.6"



15"



	PTC RL	PTC AP	PTC AN
Display			
	PTC RL-2150	PTC AN-2150	PTC EL-2150
Type	21.5" TFT LCD, LED Backlight		
Resolution	1920 x 1080		
Brightness	250 cd/㎡ (typ.)		
Touchscreen	Projected Capacitive Touch		
	PTC RL-1560	PTC AN-1560	PTC EL-1560
Type	15.6" TFT LCD, LED Backlight		
Resolution	1366 x 768 / 1920 x 1080		
Brightness	400 cd/m² (typ.)		
Touchscreen	Projected Capacitive Touch		
	PTC RL-1500	PTC AN-1500	PTC EL-1500
Type	15.0" TFT LCD, LED Backlight		
Resolution	1024 x 768		
Brightness	300 cd/m² (typ.)		
Touchscreen	Projected Capacitive Touch		
Interface			
Display	1 x VGA (With Power Output)		
USB	4 (2 x USB 3.0, 2 x USB 2.0)		
Serial	4 (COM1 with 5V/12V Power Output on 9 Pins, BIOS) (COM2~3, RJ-45, Full Signal) (COM5, Full Signal)		
LAN	1 x Gigabit Ethernet (RJ-45)		
Audio Port	1 x Line-out		
Speaker	2 x 1W (Stereo) (Factory Option)		
Power			
Power Supply	Adaptor 24V, 2.5A(3 Pin DIN Jack) When applying Option 2, 3, 4, use adaptor 24V/6.35A		

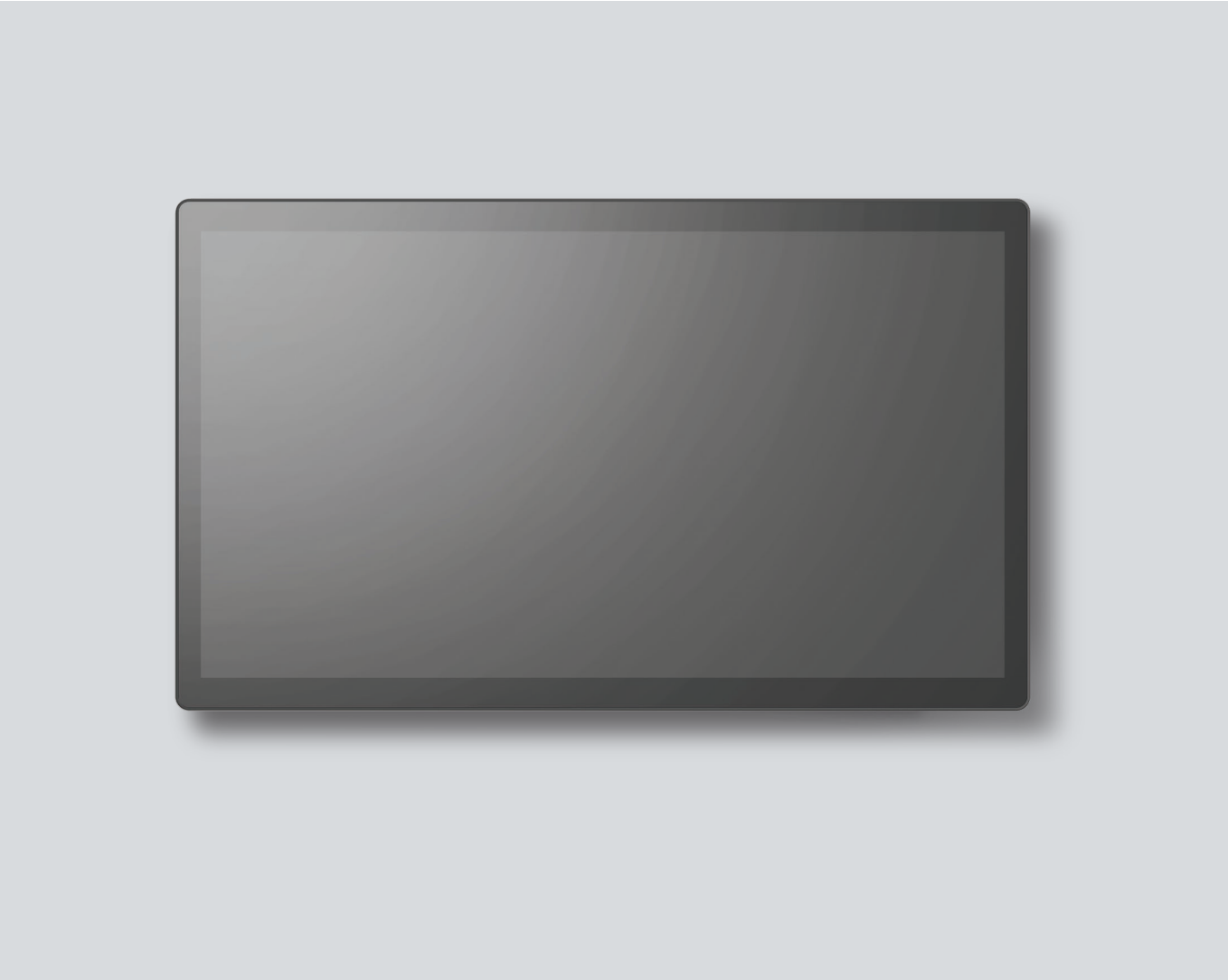
PTC Physical & Environmental

	PTC RL	PTC AP	PTC AN
Physical & Environmental			
	PTC RL-2150	PTC AN-2150	PTC EL-2150
Operating Temperature	0 °C ~ 60 °C at 10% to 90% Humidity		
Storage Temperature	-20 °C ~ 80 °C at 10% to 90% Humidity		
Dimensions	530.6 x 322.1 x 49.05 (mm)		
Packing Dimensions	608 x 400 x 100 (mm), 23.9 x 15.7 x 3.9 (in)		
Net Weight	6,000g, 13.23 lbs		
Packing Weight	6,500g, 14.33 lbs		
	PTC RL-1560	PTC AN-1560	PTC EL-1560
Operating Temperature	0 °C ~ 60 °C at 10% to 90% Humidity		
Storage Temperature	-20 °C ~ 80 °C at 10% to 90% Humidity		
Dimensions	400 x 37.4 x 241 (mm) / 15.7 x 1.47 x 9.5 (in)		
Packing Dimensions	608 x 400 x 100 (mm), 23.9 x 15.7 x 3.9 (in)		
Net Weight	3,390g, 7.5 lbs		
Packing Weight	3,700g, 8.2 lbs		
	PTC RL-1500	PTC AN-1500	PTC EL-1500
Operating Temperature	0 °C ~ 60 °C at 10% to 90% Humidity		
Storage Temperature	-20 °C ~ 80 °C at 10% to 90% Humidity		
Dimensions	530.6 x 322.1 x 49.05 (mm)		
Packing Dimensions	608 x 400 x 100 (mm), 23.9 x 15.7 x 3.9 (in)		
Net Weight	3,500g, 7.72 lbs		
Packing Weight	4,700g, 10.36 lbs		
	PTC RL	PTC AP	PTC AN
Certification	TBD		
Color	Matte Black		
Options & Peripherals			
Optional I/O Board	- Option 1 : 1 x Gigabit Ethernet (RJ-45) + 2 x USB 2.0 (Factory option) - Option 2 : 1 x 12V Powered USB 2.0 + 1 x 24V Powered USB 2.0 (Factory option) - Option 3 : 1 x 12V Powered USB 2.0 + 1 x 12V Powered USB 2.0 (Factory option) - Option 4 : 1 x 24V Powered USB 2.0 + 1 x 24V Powered USB 2.0 (Factory option) - Option 5 : 1 x 12V Powered USB 2.0 + 2 x USB 2.0 (Factory option) - Option 6 : 1 x 24V Powered USB 2.0 + 2 x USB 2.0 (Factory option) - Option 7 : 1 x COM5 (RJ-45, Full signal) + 2 x USB 2.0 (Factory option) - Option 8 : 4 x USB 2.0 (Factory option)		
Storage	2.5 inch SSD 128GB, HDD 500GB, 1TB		
Wi-Fi / BT	USB to WiFi Module (Factory Option), M.2 for WiFi/BT		
Wall Mount Kit	VESA-Compatible, 100 x 100 (mm), 100 x 200 (mm)		
Serial Conversion Cable	RJ-45 to D-sub 9		

*Specifications may change without prior notice.

KDS

KDS (Kitchen Display System) is a digital solution that helps kitchen staff manage orders, track progress, and improve efficiency. It features a durable, waterproof design, enhanced wireless range, and anti-glare and anti-fingerprint technologies for better usability in busy environments.



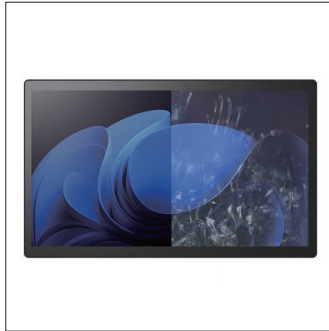
KDS Features



Antenna



PoE



Anti-Glare & Fingerprint



IP 54

KDS System

	KDS AN	KDS Q	KDS A4	KDS A2
System				
Processors	Intel® Processor N97 6M Cache, up to 3.60 GHz	QCS6490 Kryo670 1 x Gold @ 2.7GHz, 3 x Gold @ 2.4GHz, 4 x Silver @ 1.95GHz	RK3576 Quad Cortex-A72 @ 2.2 GHz Quad Cortex-A53 @ 2.0 GHz	RK3399 Dual-core Cortex-A72 up to 1.8GHz Quad-core Cortex-A53 up to 1.4GHz
Chipset	Intel® Alder Lake-N	N/A		
Memory	4GB (DDR4 3200 MT/s, Max 16GB)	LPDDR4 6GB (Max 32GB)	LPDDR4 6GB (Max 16GB)	LPDDR4 4GB Standard
Storage	Form factor : NVMe M.2 2242-D2-M (No capacity limit) Mountable : 1 x NVMe M.2 2242 128GB (Factory default)	UFS 128GB (Max 128GB)	eMMC 128GB (Max 128GB)	eMMC 32GB, On-board (Max.64GB)
Audio	HD Audio Codec			
Operating Systems	Windows 10 IoT Enterprise LTSC Ver. 21H1 or higher Windows 11 IoT Enterprise LTSC Ver. 24H2 or higher	Android 13 GMS	Android 14 GMS	Android 9 / 12 GMS
TPM	Support	N/A		

KDS



Powerful performance

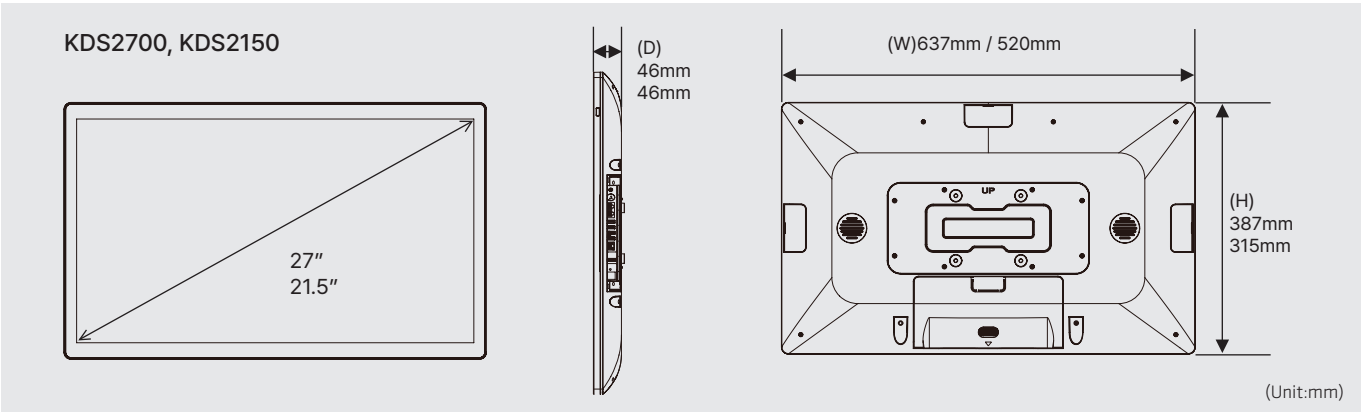


Excellent performance

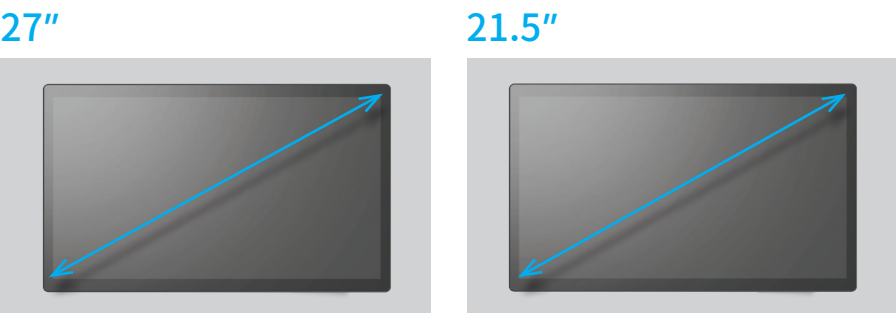


Efficient performance

KDS Dimensions



KDS Display | Interface



	KDS AN	KDS Q	KDS A4	KDS A2
Display				
	KDS AN-2700	KDS Q-2700	KDS A4-2700	KDS A2-2700
Type	27" TFT LCD, LED Backlight			
Interface	LVDS			
Resolution	1920 x 1080			
Brightness	300 cd/m² (typ.)			
Response	12 ms			
Contrast Ratio	3000 (typ.)			
Touchscreen	Projected Capacitive Touch			
	KDS AN-2150	KDS Q-2150	KDS A4-2150	KDS A2-2150
Type	21.5" TFT LCD, LED Backlight			
Interface	LVDS			
Resolution	1920 x 1080			
Brightness	250 cd/m² (typ.)			
Response	22 ms			
Contrast Ratio	1000 (typ.)			
Touchscreen	Projected Capacitive Touch			
Interface				
Display	Out : 1 x HDMI 1.2			
USB	4 (2 x USB 3.0, 2 x USB 2.0)			
Serial	2 (COM1~2, RJ-45, Full Signal)			
LAN	1 x Gigabit Ethernet (RJ-45)			
Wi-Fi / BT	KDS AN : Wi-Fi 2.4G/5G (MIMO) / BT 5.2 KDS Q / A4 : Wi-Fi 2.4G/5G, BT 5.3 Combo MIMO KDS A2 : Wi-Fi 2.4G/5G, BT 5.0 Combo			
Audio Port	1 x Line out			
Speaker	KDS AN / Q / A4 / A2 2700 : 2 x 3W (Stereo) KDS AN / Q / A4 / A2 2150 : 1 x 1W (Mono)			
Power				
Power Supply	- Adaptor 24V, 2.5A (DIN 3 Pin Jack) - AC Inlet Socket - PoE++ 12V, 5A			

KDS Physical & Environmental

	KDS AN		KDS Q	KDS A4	KDS A2
Physical & Environmental					
Operating Temperature	0 °C ~ 60 °C at 10% to 90% Humidity				
Storage Temperature	-20 °C ~60 °C at 10% to 90% Humidity				
IP Grade	IP54				
	KDS AN-2700	KDS Q-2700		KDS A4-2700	KDS A2-2700
Dimensions (W x D x H)	636.8 x 46 x 387 (mm), 25.1 x 1.8 x 15.2 (in)				
Packing Dimensions (W x D x H)	760 x 160 x 517 (mm), 29.9 x 6.29 x 20.3 (in)				
Net Weight	8,300g, 18.3 lbs				
Packing Weight	9,700g, 21.4 lbs				
	KDS AN-2150	KDS Q-2150		KDS A4-2150	KDS A2-2150
Dimensions (W x D x H)	520 x 46 x 315 (mm), 20.4 x 1.8 x 12.4 (in)				
Packing Dimensions (W x D x H)	645 x 160 x 445 (mm), 25.3 x 6.29 x 17.5 (in)				
Net Weight	6,000g, 13.2 lbs				
Packing Weight	7,600g, 16.8 lbs				
	KDS AN	KDS Q		KDS A4	KDS A2
Certification	CE, FCC, KC				
Color	Black				
Options & Peripherals					
Camera	Supported				
Bump Bar	20 key, USB Interface				
MSR	Comply with ISO 7811, Support 1/2/3 Track				
Smart Card Reader	EMV Level 1				
Antenna	Wi-Fi External Antenna (2 x 2)				
LED Light Bar	Supported				
Wall Mount Kit	VESA-Compatible 100 x 100 (mm), (W x D x H) 186 x 22 x 168 (mm)				

*Specifications may change without prior notice.

PAI TAB

The PAI TAB is a 10.1-inch POS tablet designed to enhance store operational efficiency and customer experience. Its slim, compact design features an octa-core processor for reliable, fast performance. The server can be used as a portable tableside ordering device or combined with the cradle to function as a stationary ordering station.



PAI TAB Features



Portable / Stationary POGO pin charging Wireless connectivity Charging stand

PAI TAB System

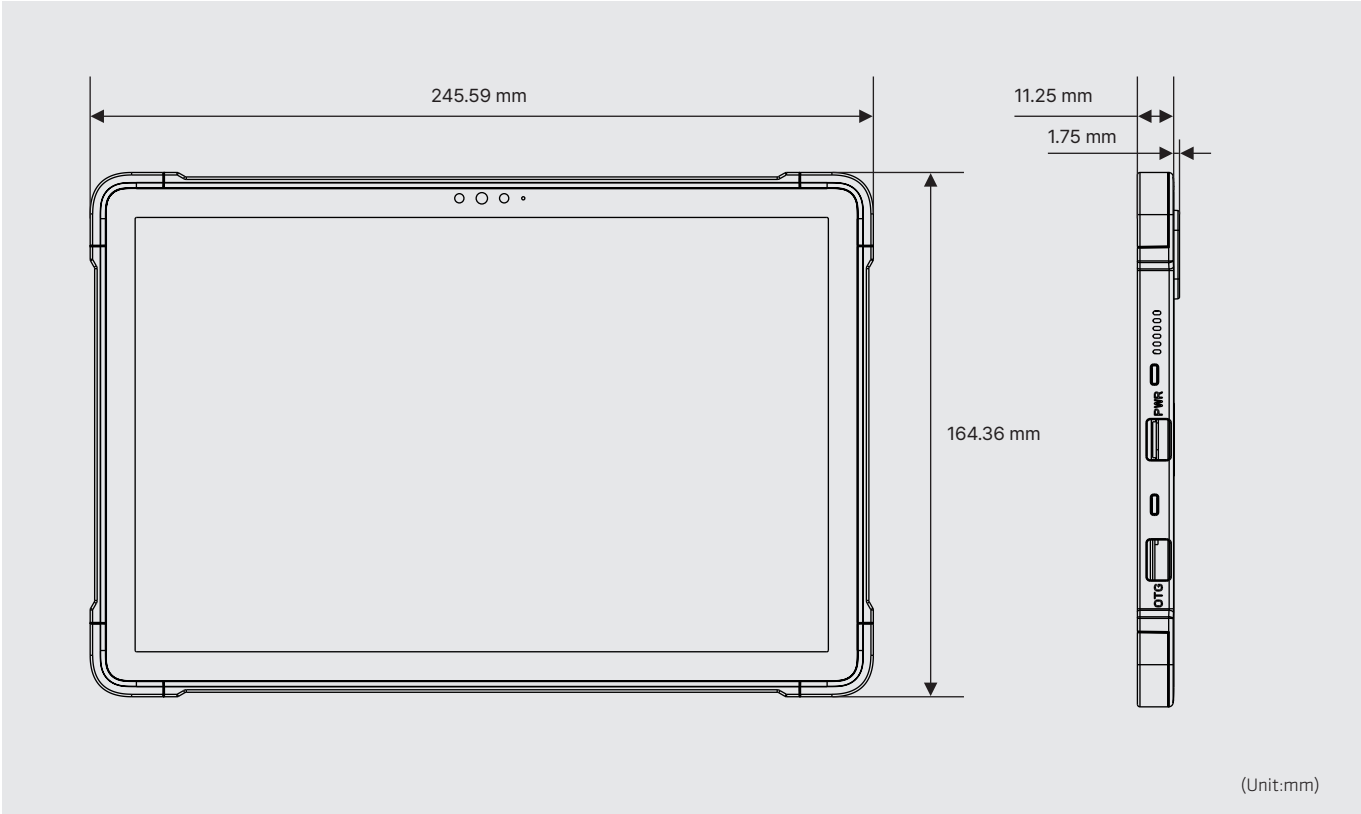
	PAI TAB
System	
Processors	MT8781 Dual-core Cortex-A76 up to 2.2GHz Hexa-core Cortex-A55 up to 2.20GHz
Memory	8GB (LPDDR4 2133 MT/s)
Storage	128GB (UFS 2.1)
Operating Systems	Android 15 GMS
Audio	HD Audio Codec

PAI TAB



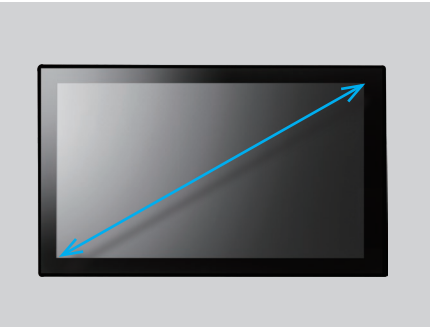
Powerful performance

PAI TAB Dimensions



PAI TAB Display

10.1"

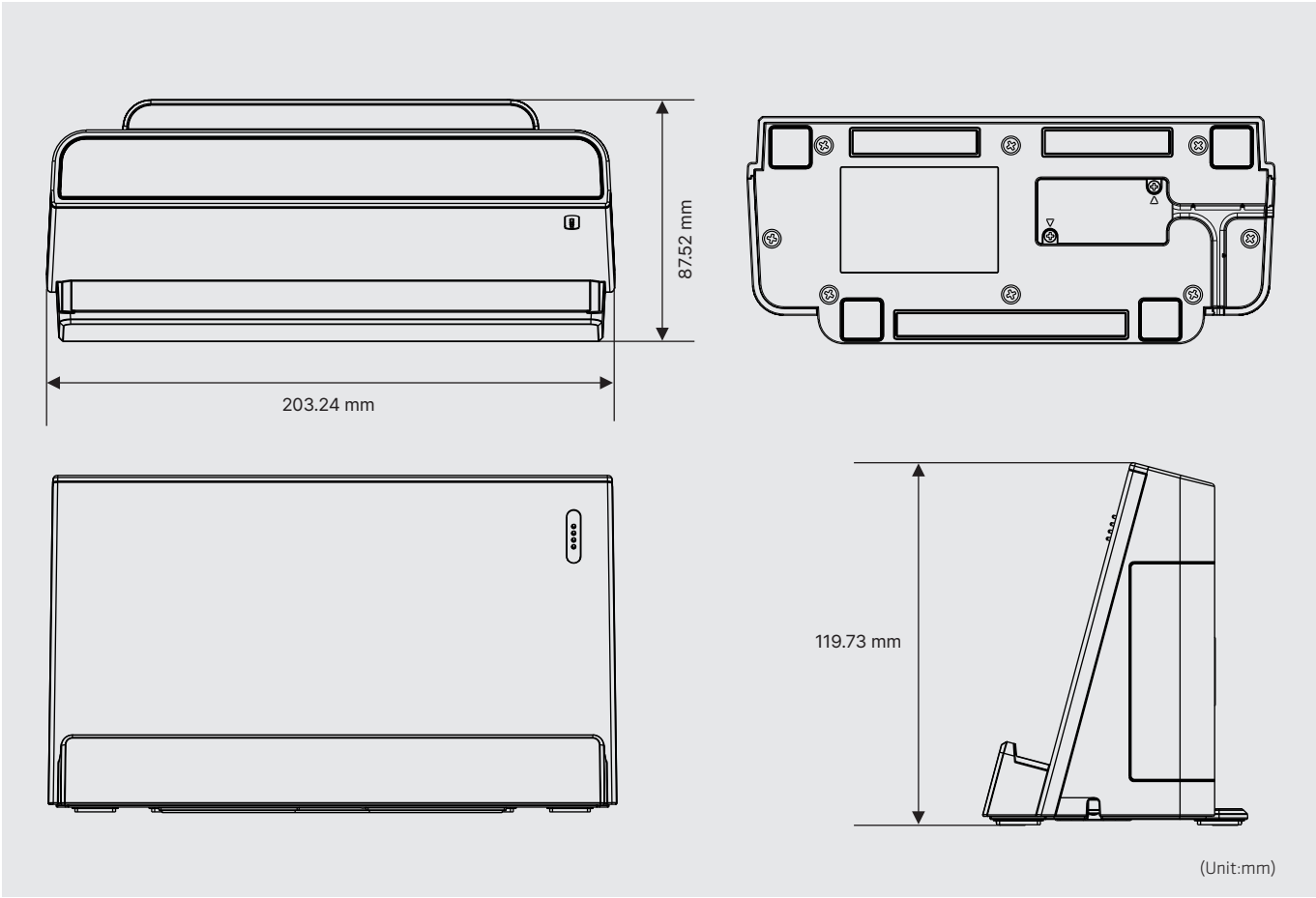


	PAI TAB
Display	
Type	10.1" TFT LCD, LED Backlight
Resolution	1280 x 800
Brightness	350 cd/m²
Touchscreen	Projected Capacitive Touch
Interface	
USB	2 x USB C-Type (1 x USB 2.0, 1 x USB OTG : Host mode only)
Wi-Fi / BT	Wi-Fi 2.4G / 5 G, BT 2.1 Combo module
Speaker	2 x 1W
Camera	Front 5MP, Rear 13MP (Option)
Power	
Power Supply	- Adaptor 5V, 2A (USB C-Type Plug) - Adaptor 5V, 3A (USB C-Type Plug) : Korea

PAI TAB Physical & Environmental

	PAI TAB
Physical & Environmental	
Operating Temperature	0 °C ~ 60 °C at 10% to 90% Humidity
Storage Temperature	-20 °C ~ 80 °C at 10% to 90% Humidity
Dimensions (W x H x D)	PAI TAB : 246 x 165 x 11.3 (mm), 9.68 x 6.5 x 0.44 (in) Charging stand : 203.3 x 119 x 87.5 (mm), 8.0 x 4.6 x 3.4 (in)
Packing Dimensions (W x H x D)	PAI TAB : 246 x 165 x 11.3 (mm), 9.68 x 6.5 x 0.44 (in) Charging stand : 203.3 x 119 x 87.5 (mm), 8.0 x 4.6 x 3.4 (in)
Net Weight	PAI TAB : 560g, 1.23 lbs Charging stand : 800g, 1.76 lbs
Packing Weight	TBD
Certification	CE, FCC, KC, JMIC
Color	Black

PAI TAB Charging stand Dimensions



PAI

PAI is a mini kiosk product that allows customers to order and pay at the table. The display can be swiveled and tilted, and built-in battery and external battery options are provided, allowing stable use even in places with limited electrical power.



PAI Features



Swivel 90° / 90°



Tilt 10° & 20°



Built-in & External Battery



Multi Battery Charger

PAI System

PAI	
System	
Processors	MT8788 (Octa-core) Quad-core Cortex-A73 up to 2.0GHz Quad-core Cortex-A53 up to 2.0GH
Memory	4GB (LPDDR4 3200 MT/s, Socket 1 x SODIMM, Max 16GB)
Storage	eMMC 6GB, On-board (Max.64GB)
Operating Systems	Android 12 GMS
Audio	HD Audio Codec

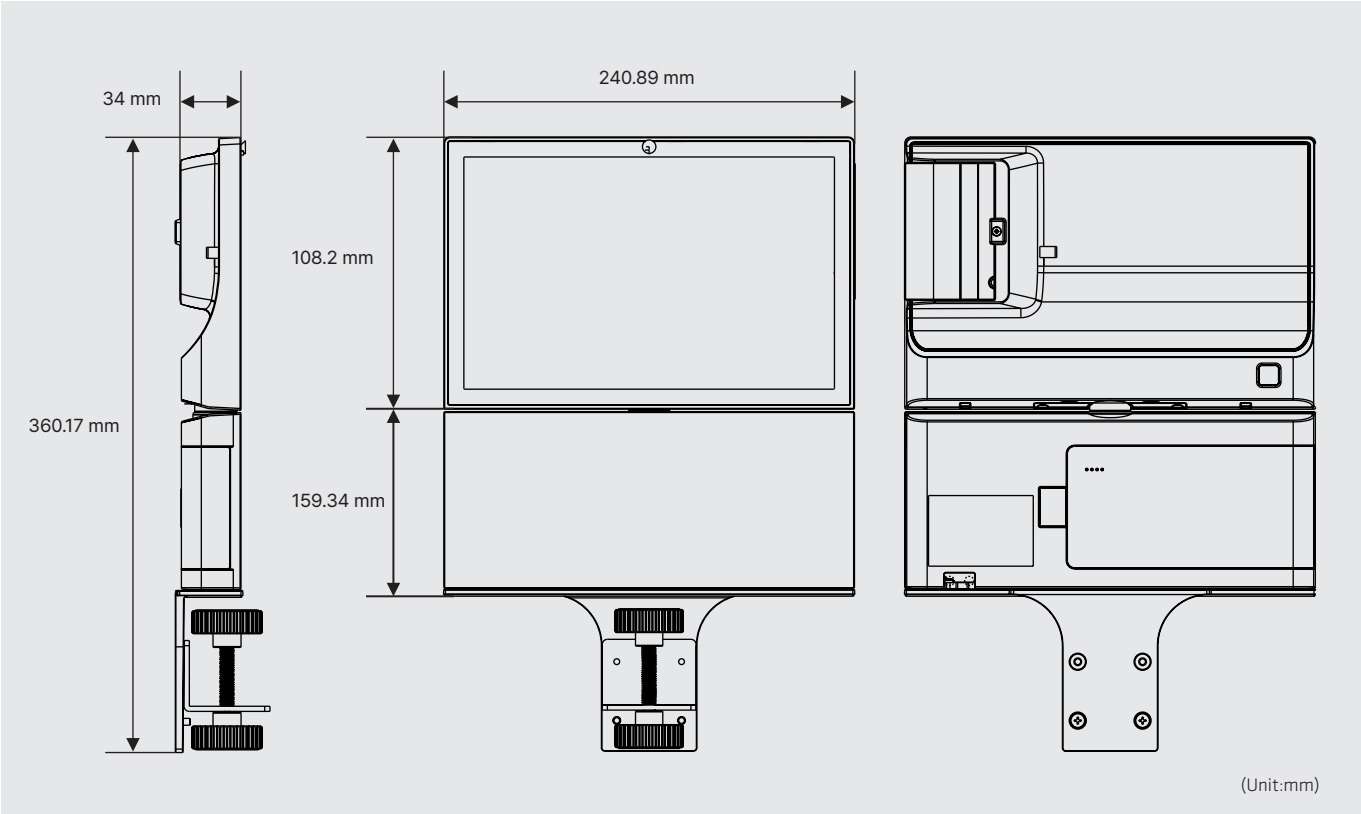
PAI



MediaTek
MT8781

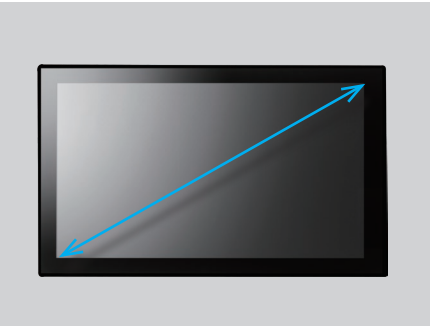
Powerful performance

PAI Dimensions



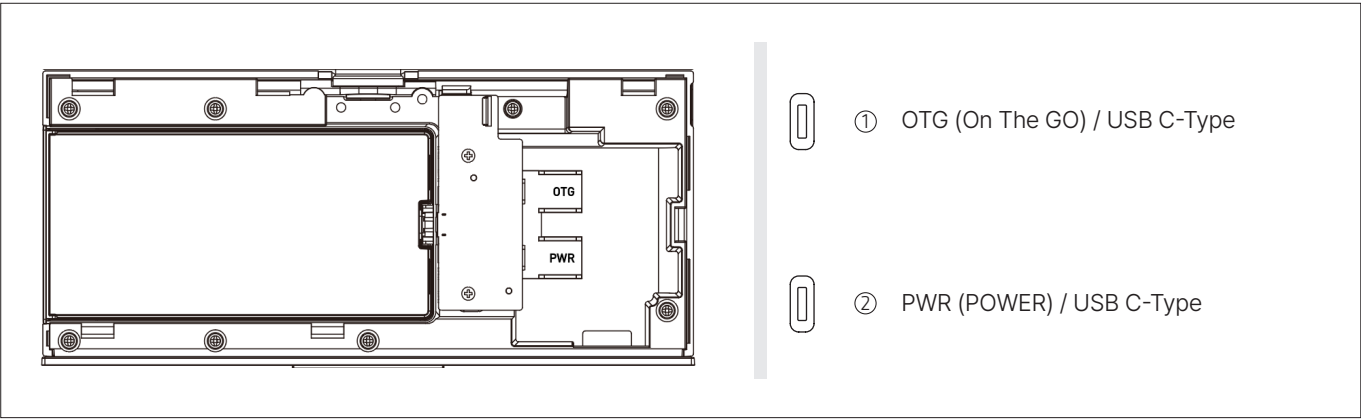
PAI Display

10.1"



PAI	
Display	
Type	10.1" TFT LCD, LED Backlight
Resolution	1280 x 800
Brightness	350 cd/m²
Touchscreen	Projected Capacitive Touch
Interface	
USB	2 (1 x USB 2.0, 1 x USB C-Type)
Wi-Fi / BT	Wi-Fi 2.4G/5G, BT 2.1 Combo module
Speaker	1 x 1W (Mono)
Power	
Power Supply	- Adaptor 5V, 2A(USB C-Type Plug) - Adaptor 5V, 3A(USB C-Type Plug) : Korea

PAI I/O Ports

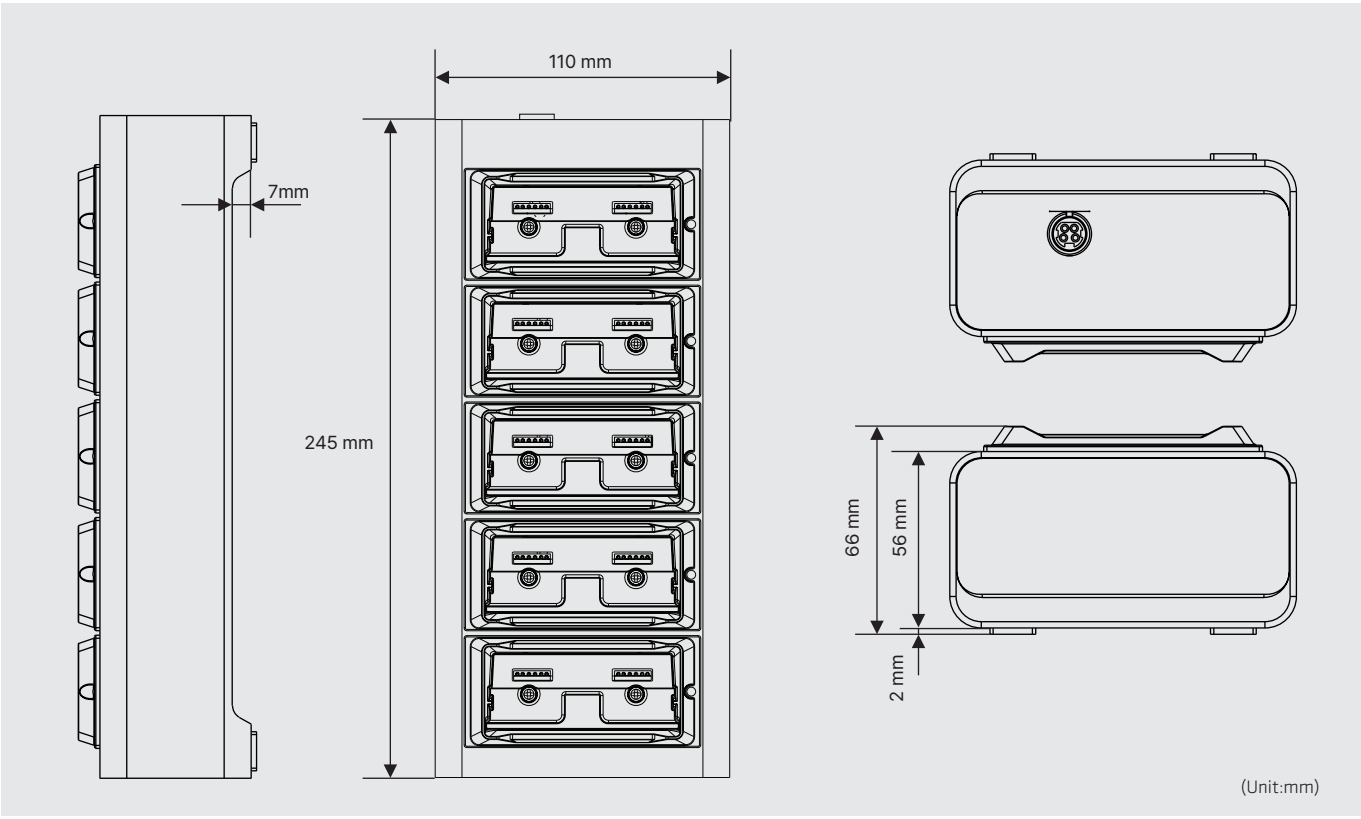


PAI Physical & Environmental

PAI	
Physical & Environmental	
Operating Temperature	0 °C ~ 60 °C at 10% to 90% Humidity
Storage Temperature	-20 °C ~ 80 °C at 10% to 90% Humidity
Dimensions (W x D x H)	Base body : 240.9 x 34 x 265.3 (mm), 9.5 x 1.3 x 10.4 (in) Stand type : 240.9 x 127 x 269.3 (mm), 9.5 x 5 x 10.6 (in) Clamp type : 240.9 x 38.6 x 360.2 (mm), 9.5 x 1.5 x 14.2 (in)
Packing Dimensions (W x D x H)	420 x 130 x 340 (mm), 16.5 x 5.1 x 13.4 (in)
Net Weight	1,500g, 3.3 lbs
Packing Weight	2,900g, 6.4 lbs
Certification	CE, FCC, KC, JMIC
Color	Black
Options & Peripherals	
Smart Card Reader	EMV Level 1
Wall Mount Kit	TBD

*Specifications may change without prior notice.

PAI Battery Charger Dimensions



MG BOX

MG BOX is designed with an understated size with various I/O ports. It provides maximum performance and extreme durability, enabling it to be used as a POS terminal or a server.



MG BOX Features



Industrial BOX PC



Dual-layer mainboard



High durability and stability



Powered USB support

MG BOX Specifications

	MG BOX
System	
Processors	Intel® Core™ Ultra5 125U 12M Cache, up to 4.3 GHz
Chipset	Intel® Meteor Lake
Memory	4GB Standard (DDR5 5600 MT/s, Socket 2 x SODIMM, Max 64GB)
Storage	Form factor : NVME M.2 2242-D2-M (Support AHCI, No capacity limit.) Mountable : 1 x NVMe M.2 2242 128GB, Up to 1 units can be installed
RAID	RAID 0,1
Audio	HD Audio Codec
Operating Systems	Windows 10 Ver. 21H1 or higher Windows 11 LTSC Ver. 24H2 or higher
TPM	TPM 2.0

MG BOX



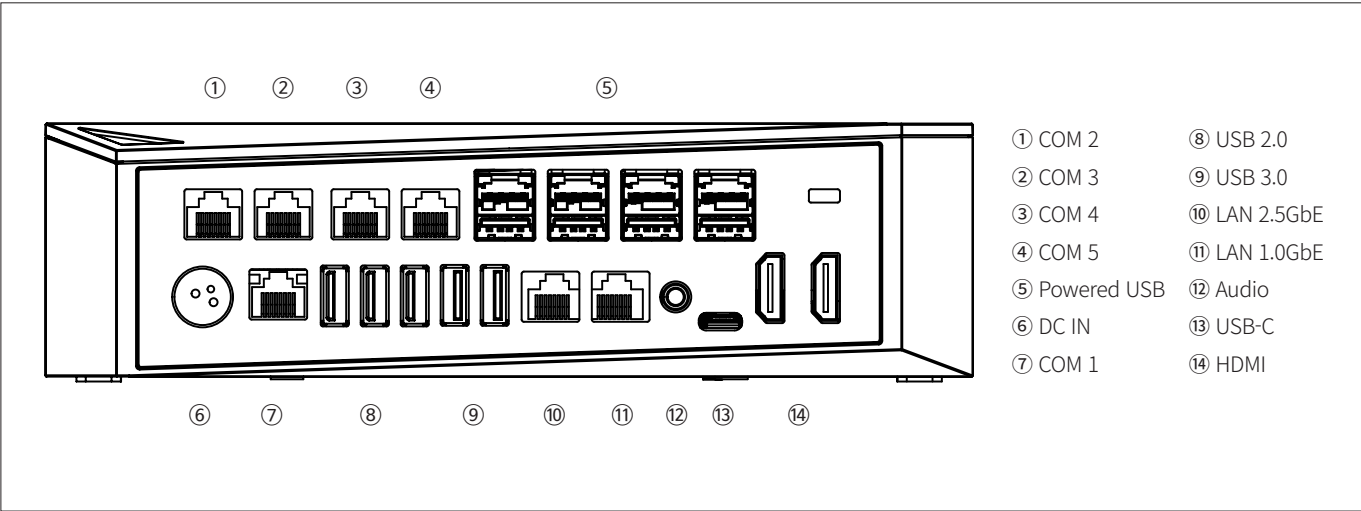
Superior performance

MG BOX Specifications

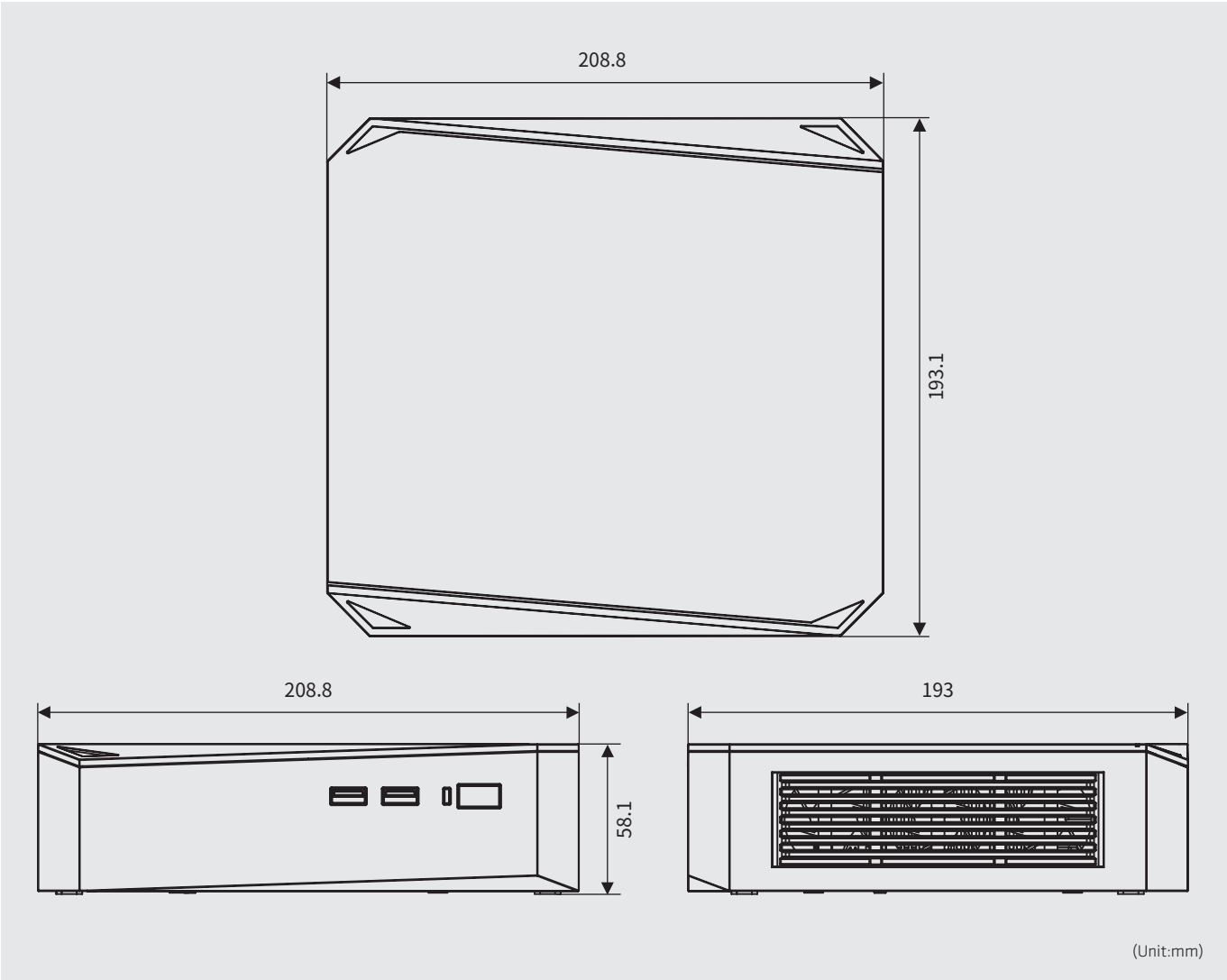
	MG BOX
Interface	
Display	3 (2 x HDMI, 1 x USB Type C (Alt-mode))
USB	9 (4 x USB 3.0, 3 x USB 2.0, 1 x USB Type C (Alt-mode), 1 x USB Type C)
Serial	1 (COM1, RJ45, with DTR/12V Power Output on Pin6, Bios) : RS-232/RS-422/RS-485, Bios (Default : RS-232) optional
LAN	1 x 1 Gigabit Ethernet (RJ-45, Intel® I219-LM) 1 x 2.5 Gigabit Ethernet (RJ-45)
Audio Port	1 x Line out
Extension Slot	1 x Mini PCIe for Wireless LAN/BT/LTE
Power	
Power Supply	Adaptor 12V / 5A DIN 3Pin Jack
Physical & Environmental	
Operating Temperature	0 °C ~ 60 °C at 10% to 90% Humidity
Storage Temperature	-20 °C ~ 80 °C at 10% to 90% Humidity
Dimensions (W x D x H)	209 x 193 x 57 (mm), 8.2 x 7.6 x 2.2 (in)
Packing Dimensions (W x D x H)	340 x 80 x 220 (mm), 13.4 x 3.1 x 8.7 (in)
Net Weight	1,090g, 2.4 lbs.
Packing Weight	2,800g, 6.17 lbs.
Certification	CE, FCC, KC
Color	Dark Grey
Options & Peripherals	
Optional I/O board	EXT 2U5C 2 x USB (1 x 12V Powered, 1 x 24V Powered USB) 5 x Serial(1 x DB9, with RI/12V/5V Power Output on Pin9, BIOS 4 x RJ45, Full Signal) EXT 3U4C 3 x USB (2 x 12V Powered, 1 x 24V Powered USB) 4 x Serial (4 x RJ45, Full Signal) 1 x Cash Drawer (RJ12) EXT 4U4C 4 x USB (3 x 12V Powered, 1 x 24V Powered USB) 4 x Serial (4 x RJ45, Full Signal)
Wi-Fi / BT	M.2 for WiFi/BT
Wall Mount Kit	VESA-Compatible, 100 x 100 (mm)
Serial Conversion Cable	RJ-45 to D-sub 9

*Specifications may change without prior notice.

MG BOX I/O Ports



MG BOX Dimensions



CR BOX

CR BOX is an ultra-slim BOX PC with powerful performance applied applied to various fields such as kiosk main system, ATM, digital signage, etc.



CR BOX Features



■ Metal Housing



- Ultra-slim BOX PC



- Interface extensibility (Serial/USB type)



- UHD resolution implementation

CR BOX System

	CR BOX
System	
Processors	Intel® Core™ Ultra5 125U 12M Cache, up to 4.3 GHz
Chipset	Intel® Meteor Lake
Memory	4GB Standard, DDR5 5600 MT/s, Socket 2 x SODIMM (Max. 64GB)
Storage	Form factor : SATA 3 (6GB/s) 2.5 inch SSD128GB Mountable : 1 x NVMe M.2 2242 128GB
RAID	Not supported
Audio	HD Audio Codec
Operating Systems	Windows 10 Ver. 21H1 or higher Windows 11 LTSC Ver. 24H2 or higher
TPM	TPM 2.0

CR BOX

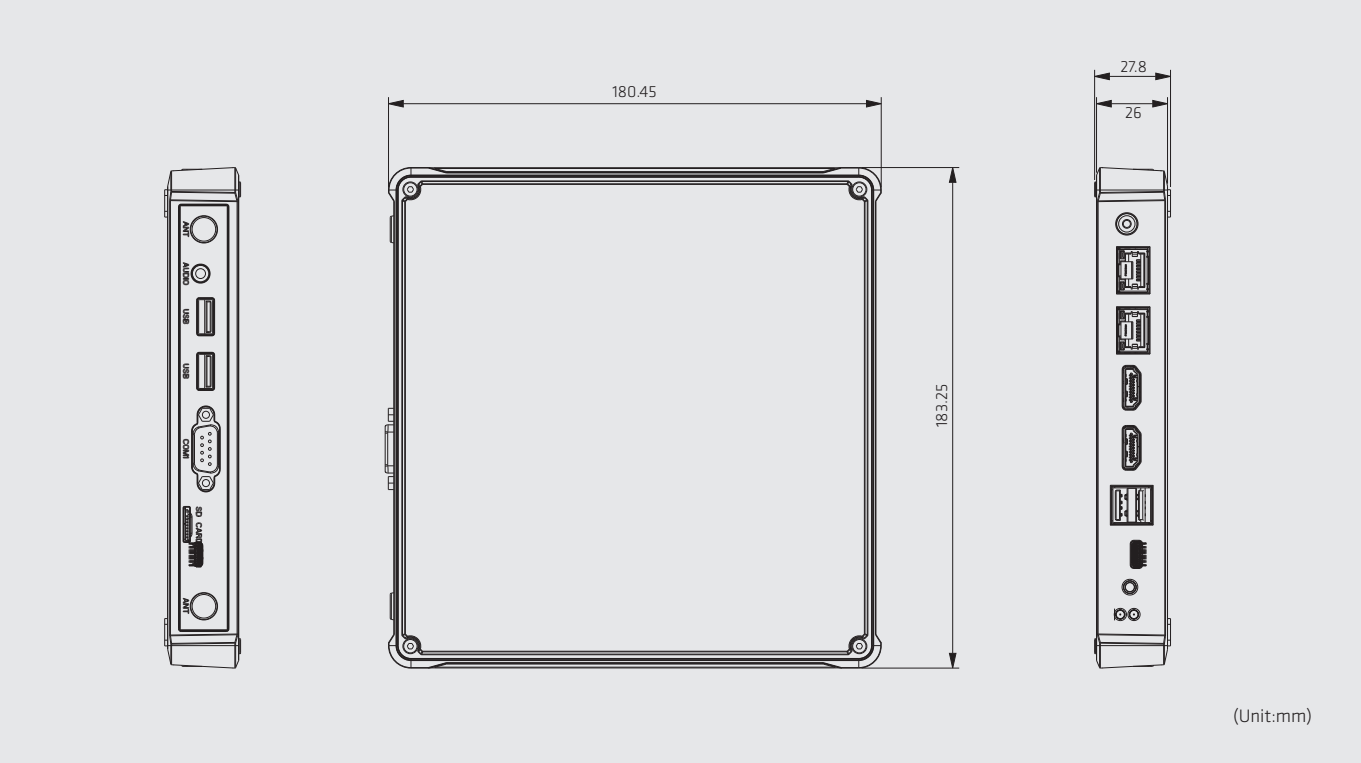


Superior performance

CR BOX Interface

	CR BOX
Interface	
Display	3 (2 x HDMI, 1 x USB Type C (Alt-mode))
USB	5 (2 x USB 3.0, 2 x USB 2.0, 1 x USB Type C (Alt-mode))
Serial	1 (COM1, RJ45, with DTR / 12V Power Output on Pin6, Bios) : RS-232 / RS-422 / RS-485, Bios (Default : RS-232) optional
LAN	1 x 1 Gigabit Ethernet (RJ-45, Intel® I219-LM) 1 x 1 Gigabit Ethernet (RJ-45, Realtek RTL8111H)
Audio Port	1 x Line out
SD Card	1 x Micro SD Card Slot (Max. 128GB)
Extension Slot	1 x Mini PCIe for Wireless LAN / BT / LTE
Power	
Power Supply	Adaptor 12V / 5A DIN 3Pin Jack

CR BOX Dimensions



CR BOX Physical & Environmental

	CR BOX
Physical & Environmental	
Operating Temperature	0 °C ~ 60 °C at 10% to 90% Humidity
Storage Temperature	-20 °C ~ 80 °C at 10% to 90% Humidity
Dimensions (W x D x H)	180 x 183 x 25 (mm), 7.0 x 7.2 x 0.9 (in)
Packing Dimensions (W x D x H)	245 x 240 x 105 (mm), 9.6 x 9.4 x 4.1 (in)
Net Weight	700g, 1.54 lbs
Packing Weight	1,500g, 3.30 lbs
Certification	CE, FCC, KC
Color	Metallic Silver (COVER : Dark Grey)
Options & Peripherals	
Storage	NVMe M.2 128GB
Wi-Fi / BT	M.2 for WiFi/BT
Wall Mount Kit	Supported
Serial Conversion Cable	RJ-45 to D-sub 9

*Specifications may change without prior notice.

CR BOX I/O Ports

FRONT VIEW

① ② ③ ④ ⑤ ⑥ ⑦

Front view

- ① LED Indicator (Green/Red)
- ② Power Button
- ③ 1 x USB-C
- ④ 2 x USB 2.0
- ⑤ 2 x HDMI
- ⑥ 2 x RJ-45 (Gigabit Ethernet)
- ⑦ DC-In (12V, 5A)

REAR VIEW

CR BOX USB

① ② ③ ④ ⑤ ⑥

CR BOX USB

- ① 1 x Antenna Hole (WiFi / BT/LTE)
- ② 1 x Audio Line-Out
- ③ 2 x USB 3.0
- ④ Com1: 1 x DSUB 9Pin Connector
- ⑤ 1 x SD Card Slot
- ⑥ 1 x Antenna Hole (WiFi / BT/LTE)

CR BOX Serial

① ② ③ ④ ⑤ ⑥ ⑦

CR BOX Serial

- ① 1 x Antenna Hole (WiFi / BT / LTE)
- ② Com4: 1x RJ-45
- ③ Com3: 1 x RJ-45
- ④ Com2: 1 x DSUB 9Pin Connector
- ⑤ Com1: 1 x DSUB 9Pin Connector
- ⑥ 1 x Audio Line-Out
- ⑦ 1 x Antenna Hole (WiFi / BT / LTE)

POSMO

POSMO is a compact touchscreen monitor featuring the same modern and a compact body with a small footprint to save valuable counter space. Industrial-grade LED, LCD panel offers bright and crisp image, extended product life and energy efficiency.



POSMO Features



Compact Design



Superior Touch Display



Better connectivity



Flexible installation
(Counter / Wall)

POSMO System

POSMO		
Display		
	POSMO III-2150	POSMO III-1500
Size	21.5" TFT LCD, LED Backlight	15" TFT LCD, LED Backlight
Resolution	1920 x 1080	1024 x 768
Brightness	300 cd/m ² (typ.)	300cd/m ² (typ.)
Contrast Ratio	1000:1	500:1
View Angle (U/D/R/L)	89°/89°/89°/89°	80°/80°/80°/80° (Typ.)
Touchscreen		
Type	Projected Capacitive Touch	
Controller Interface	USB Interface	
Interface		
VGA	1 x VGA	
HDMI	1 x HDMI (Factory Option)	
USB (A Type)	4 x USB 2.0	
USB (B Type)	1 x USB 2.0	
MSR	1 x Line out	
Audio	2 x 1W (Stereo) (Factory Option)	
Power		
Power Supply	Adapter 12V, 5A	
Physical & Environmental		
	POSMO III-2150	POSMO III-1500
Dimensions (W x D x H)	490 x 210 x 337 (mm), 19.3 x 8.2 x 13.3 (in)	364 x210 x 333 (mm), 14.3 x 8.2 x 13.1 (in)
Net Weight	640 x 300 x 465 (mm), 25.2 x 11.8 x 18.3 (in)	500 x 300 x470 (mm), 19.6 x 11.8 x 18.5 (in)
Packing Dimensions (W x D x H)	6,200g, 13.7 lbs	4,800g, 10.6 lbs
Packing Weight	9,100g, 20.1 lbs	7,500g, 16.5 lbs
Certification	CE, FCC, KC	CE, FCC, KC
Options and Peripherals		
MSR	1 (RJ-45 for MSR, SCR, i-Button)	
Multi-Reader	MSR : Comply with ISO 7811, Support 1& 2 & 3 Track SCR : EMV Level 1 Dallas : i-Button Reader	
Wall Mount Kit	VESA-Compatible, 75 x 75 (mm), 100 x 100 (mm)	

* Specifications may change without prior notice.

Printers

A printer family provides fast printing speed and high reliability, which makes an ideal POS printer for crowded environment.



Printers Features



Fast Printing Speed



Compact Cube Design



Space Saving



USB+Serial+Ethernet Interface

Printer System

	POS Printers		
	A400	A6	A8
Print			
Print Method	Direct Thermal		
Print Speed	400mm/s	220 mm/s	250mm/s
Print Resolution	203 dpi (8dots/mm)	203 dpi (8dots/mm)	203.2 dpi (8dots/mm)
Print Width	3inch :79.5 +/- 0.5mm (3.13 +/- 0.02inch) 2inch: 57.5 +/- 0.5mm (2.26 +/- 0.02inch) (Option) 50 +/- 0.5mm (1.96 +/- 0.02inch)"	72mm / 48mm	72mm
Print Font			
Character Size	Font A 12 x 24 dots, Font B 9 x 24 dots, Font C 9 x 17 dots	Font A 12 x 24 dots, Font B 9 x 17 dots	Font A 13 x 26 dots, Font B 10 x 20 dots, Extra Font A 12 x 24
Character per Line	Font A 48, Font B 64, Font C 64	Font A 48, Font B 64	Font A 42, Font B 56, Extra Font A 48
Character Sets	Alphanumeric: 95 Extended Graphics: 128 x 37 Page International: 32 Unicode , UTF-8	Alphanumeric: 95, Extended Graphics: 128 x 18 Page International: 16	Alphanumeric: 95 Extended Graphics: 128 x 37 Page International: 32 Unicode : UTF-8
Barcode Types	1D : CODABAR, CODE39, CODE93, CODE128, EAN-8, EAN-13, ITF, UPC-A, UPC-E 2D : PDF417, QR Code	1D : UPC-A, UPC-E, EAN8, EAN13, CODE39, ITF, CODEBAR, CODE193, CODE128 2D : QR Code, PDF417	1D : Coda Bar, Code39, Code93, Code128, EAN-8, EAN-13, ITF, UPC-A, UPC-E 2D : PDF417, QR Code
Graphics	Supporting User-Defined Fonts, Graphics, Logos	Supporting User-Defined Fonts, Graphics, Logos	Supporting User-Defined Fonts, Graphics, Logos
Media			
Type	Thermal Roll Paper		
Paper Feed	Friction Feed		
Loading	Drop in		
Width	80mm, 58mm, 50mm	58mm, 80mm	58mm, 80mm
Roll Diameter	Max. 80mm	Max. 80mm	Max. 83mm
Thickness	70μm	0.06~0.08mm	70μm
Auto Cutter	Partial cut only	Partial Only	Full or Partial Selectable
Partition	2 inch (58mm, 50mm)	2 inch (58mm)	2 inch (58mm) (Option)
Reliability			
MCBF	-	80,000H	60million Lines
TPH	150km	100km	150km
Auto Cutter	1.5million Cuts		

Printer Standard

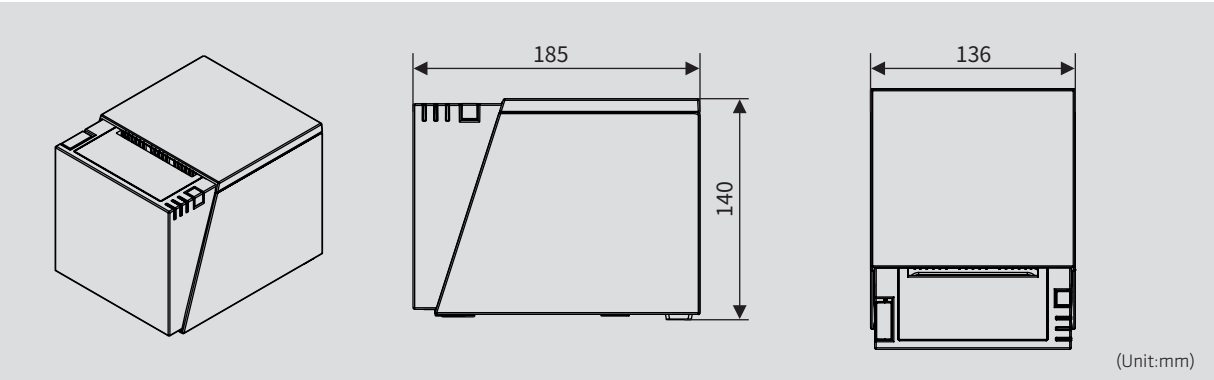
	POS Printers		
	A400	A6	A8
Standard			
Interface	- USE: 1 x USB 2.0, 1 x Serial(DB9), 1 x Ethernet(10/100M) - USS: 1 x USB 2.0, 2 x Serial(DB9, RJ45)	- A6S : 1 x USB 2.0, 2 x Serial (DB9 + RJ45) - A6E : 1 x USB 2.0, 1 x Serial (DB9), 1 x Ethernet (10/100M)	1 x Serial, 1 x USB 2.0, 1 x Ethernet (10/100M)
Wi-Fi	- WUSS - WUSE: IEEE802.11 b/g/n (2.4GHz only)	-	
Bluetooth	USSB & USEB: V5.2	-	
Support Mobile Operating Systems	Android, iOS (SDK)	Android	Android, iOS (SDK)
Receive Buffer	2MB	4KB	
Printer Driver	Windows Driver, OPOS Driver, Linux CUPS Driver, Virtual COM USB Driver, Utility Program	Windows / OPOS / JPOS / Linux Cups / Mac	Windows Driver, OPOS Driver, Linux CUPS Driver, Virtual COM USB Driver, Utility Program
Utility	NV	Configuration Utility (Config, Interface, NV, Blackmark)	NV
Sensors	Paper End, Cover Open, Paper Near End(Vertical Only)	Paper End, Cover Open, Black Mark	Paper End, Cover Open
Drawer	1 Port		
Power Supply	Adapter 24V, 2.5A (3Pin DIN Plug)	Adapter 24V, 2A (3Pin DIN Plug)	
Temperature & Humidity	Operating : 0 ~ 45°C, 10 ~ 80% RH / Storage : -20 ~ 60°C, 10 ~ 90% RH		
Safety Standards	CE, FCC, KC, J-MIC, CB, UL, PSE	CE, FCC, KC	

Printer Dimensions

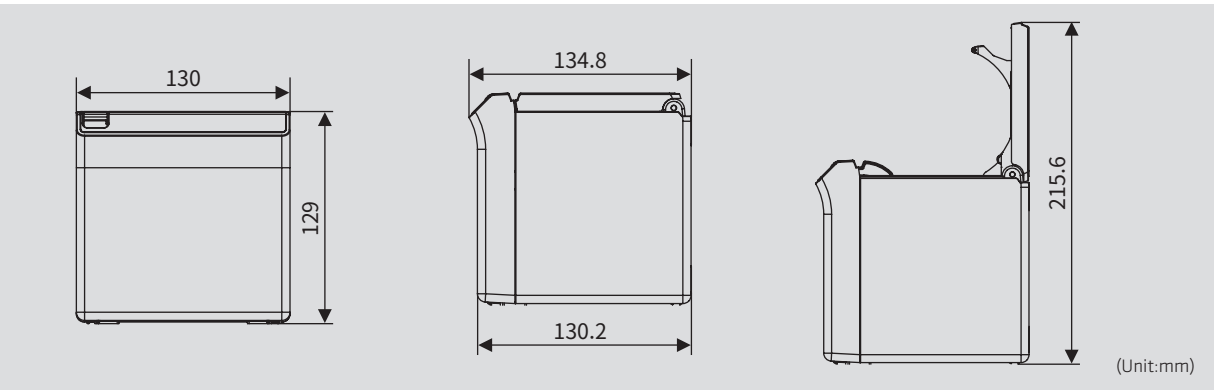
	POS Printers		
	A400	A6	A8
Dimensions (W x D x H)	127 x 130 x 127 (mm), 5.00 x 5.11 x 5.00 (in)	130 x 129 x 130.2 (mm), 5.1 x 5.07 x 5.1 (in)	142 x 145 x195 (mm), 5.6 x 5.7 x 7.7 (in)
Packing Dimensions(W x D x H)	242 x 195 x 162 (mm), 9.52 x 6.68 x 6.38 (in)	242 x 162 x 195 (mm), 9.5 x 6.37 x 7.67 (in)	261 x 290 x 205 (mm), 10.23 x 11.41 x 8.07 (in)
Weight	1,090g, 2.4 lbs	940g, 2.07 lbs.	750g, 1.65 lbs.
Packing Weight	2,020g, 4.45 lbs	1,820g, 4.00 lbs.	2,000g, 4.40 lbs.
Color	Black / White	Dark Grey / White	
Interface Cable	Serial Cable, USB Cable	Serial Cable	WIFI + BT Combo / Serial Cable
Wall Mount Kit	Option(TBD)	Option	Option

* Specifications may change without prior notice.

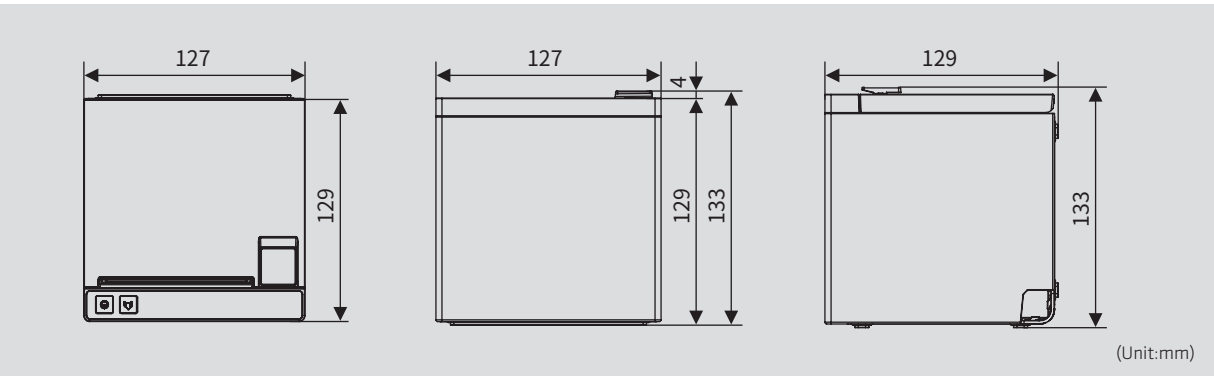
A6



A8



A400



Printer I/O Ports

A6S

① Power supply interface ④ USB interface
② Interface of cashbox ⑤ RS-232 interface
③ Serial interface

A8

① Drawer Kick-out ④ Ethernet
② Power Connector / 24V ⑤ USB (B type)
③ Serial

A400 USE

① USB-B(2.0) ④ DC-IN(24V)
② Cash Drawer ⑤ Ethernet (RJ45)
③ Serial(DB9)

A400 USS

① USB-B(2.0) ④ DC-IN(24V)
② Cash Drawer ⑤ Serial (RJ45)
③ Serial(DB9)

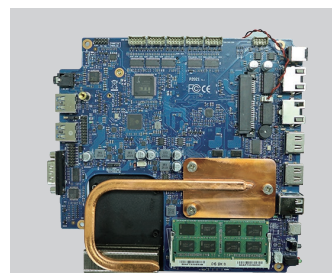
Embedded IoT

POSBANK's Embedded IoT (Internet of Things) Business provides comprehensive system integration, hardware and custom design services. We are closely working with our partners to provide a wide range of IoT applications and perfect solutions for various industries.

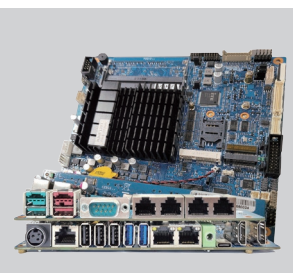


Embedded Boards

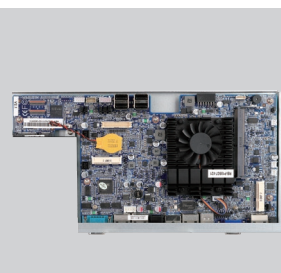
POSBANK offers a comprehensive range of embedded boards including Mini-ITX mainboards, kiosk and AIO touch computer boards, and SOM-based mainboards with modular CPU and I/O configurations. These boards serve as flexible core platforms for customized IoT, kiosk, and industrial system designs.



Mini ITX Mainboard (Single Layer)



Mini ITX Mainboard (Dual Layer)



KIOSK/AIO Touch Computer Mainboard



SOM based Mainboard (Compact CPU Board + I/O Board)

Embedded Systems

POSBANK's embedded systems, such as MG BOX and CR BOX, are industrial-grade, ready-to-deploy computing platforms built for stable and continuous operation. They provide compact, durable solutions that simplify system integration across kiosk, automation, and smart infrastructure applications.



All-in-One Touch Computer and Frame Computer

All-in-one touch computers and monitors are applicable in smart factories/offices and intelligent warehouses. They are suitable for operating systems for process, scheduling, integrated controls and more. It can be installed and operated in various forms such as stand/wall/panel mounts and ceiling buried types.



OEM-ODM

POSBANK is one of the leading manufacturers of POS and kiosk brands, applying technologically advanced systems to ensure a high level of product quality. With its outstanding development and manufacturing capabilities, POSBANK offers optimized standards by reviewing the various check items required by the customers and projects.



OEM · ODM POS/Kiosk Development & Manufacturing

- Specialization of experienced engineers: Electronic component research, 3D design and rendering, technical design/production, assembly, packaging
- Defined procedures and standards: Organization, adherence to established standards and processes
- Quality Guarantee: Best product quality assurance and follow-up management

POS

KIOSK

BCK

POSBANK provides customized POS and kiosks with optimal specifications and functions required by customers. Prepare for business success with OEM-ODM POS and kiosk solutions suitable for hospitality and retail environments.



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