POSIFLEX

Seamless Integration,
Effortless Efficiency

Mercury EK-1500 /EK-1600 / EK-2100 / EK-2400 Series

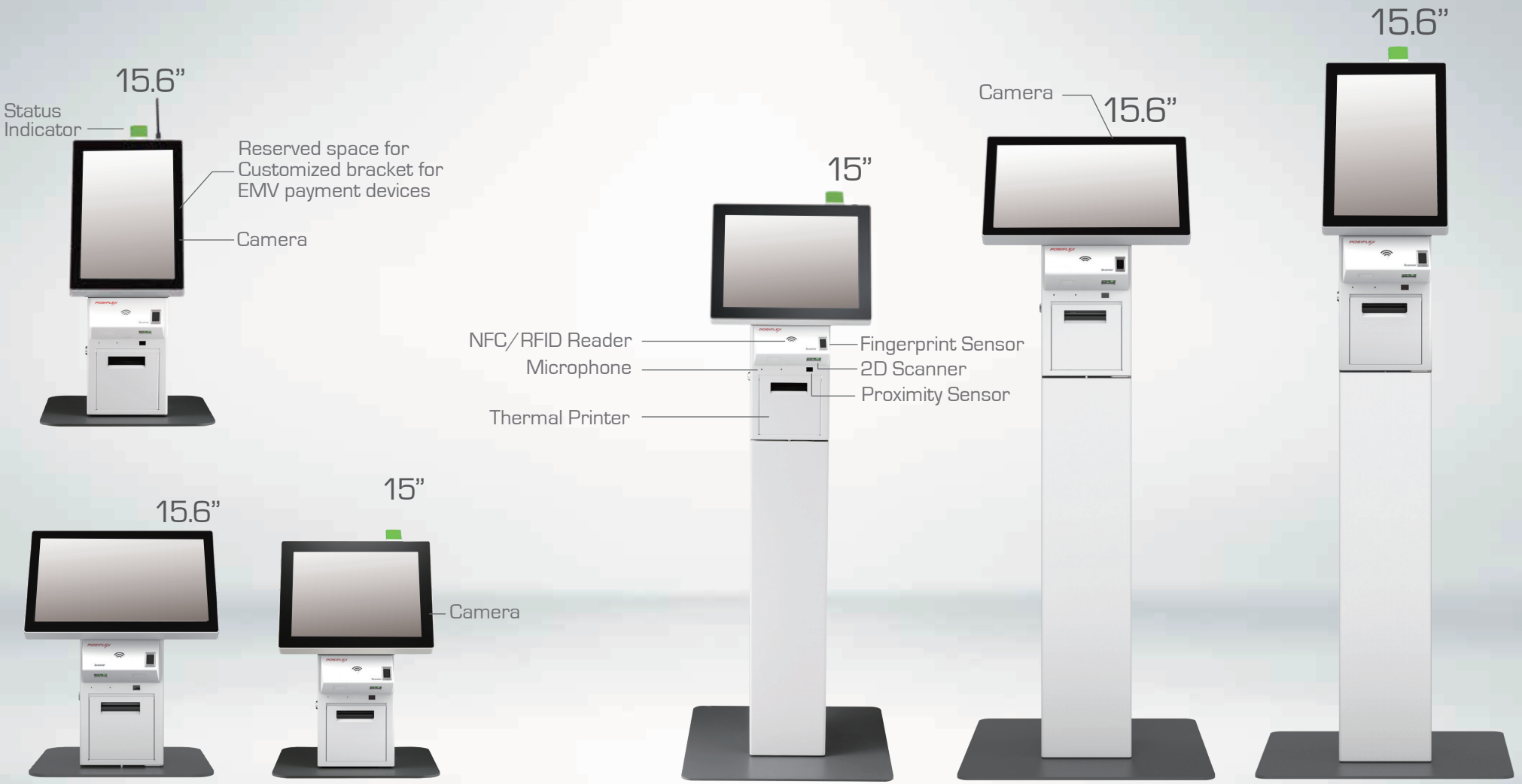
15” /15.6” / 21.5” / 23.8” Modular Kiosk

HIGHLIGHTS

- 15” or 15.6” or 21.5”or 23.8” true-flat PCAP touch screen
- Flexible configurations: floor-standing or countertop
- Modular design for easy serviceability
- A good value kiosk in entry-level category
- Popular uses: product display & advertising, ordering & payment, click & collect, ticketing & e-reservations, wayfinding & customer guidance

Windows/Android NFC/RFID Reader 2D Scanner Fingerprint Sensor Status Indicator EMV Supportive*

PRODUCT SHOWCASE / Mercury EK-1500 /EK-1600



COUNTERTOP

FLOOR-STANDING

Mercury EK-1500/EK-1600 Series

Specifications		EK-1510/EK-1610	EK-1532/EK-1632	EK-1552/EK-1652
Computer	Processor	Rockchip RK3399, Dual-core Cortex A72 up to 1.8GHz+ Quad-core Cortex A53 up to 1.4GHz	Intel Elkhart Lake Celeron J6412, up to 2.60 GHz, 1.5M Cache	Intel Tiger Lake UP3 Core i3 Intel Tiger Lake UP3 Core i5 Intel Tiger Lake UP3 Core i7
	System Memory	DDR4 4 GB	DDR4 SO-DIMM slot x 1, max. 16 GB	DDR4 SO-DIMM slot x 1, max. 32 GB
	Storage Device	32 GB eMMC + microSD slot x 1	M.2 SSD [SATA Signal Only] x 1	
	Intel vPro Support	N/A	N/A	Yes, depend on processor
	TPM Support	N/A	TPM 2.0	
	Power Supply	12V/60W x 1 + 24V/60W x 1		
	OS Support	Android 9.0*/Android 10.0 with GMS	Windows 10 IoT LTSC / Windows 11 IoT LTSC	
	Serial Port	2, RJ50 x 2, 5V/12V support on all COM ports	3, DB9 x 1 + RJ50 x 2, 5V/12V support on all COM ports	
	Standard USB Port	6, USB 3.0 x 1+ USB 2.0 x 5	8, USB 3.0 x 2+ USB 2.0 x 6	8, USB 3.0 x 4 + USB 2.0 x 4
	OTG USB	Micro-USB x 1	N/A	
	Display Port	HDMI x 1	HDMI x 1	
	LAN Port	10/100 Mb x 1 10/100/1000 Mb x 1	10/100/1000 Mb x 2	
	Audio	Internal 3W speaker x 2	Internal 3W speaker x 2	
	Internal Expansion Slot	N/A	M.2 x 1	
Display & Touch	LCD	15" for EK-1500 Series / 15.6" for EK-1600 Series		
	Resolution	1024 x 768 for EK-1500 Series / 1920 x 1080 for EK-1600 Series		
	Touch	True-flat PCAP touch with multi-touch support		
Physical Dimensions	Dimensions (W x D x H in mm)	Countertop version (Landscape): 395 x 395 x 550, Floorstanding version (Landscape): 500 x 500 x 1325 for EK-1500 Series Countertop version (Landscape): 395 x 395 x 513, Floorstanding version (Landscape): 500 x 500 x 1286 for EK-1600 Series		
	Weight (N. W. in kg)	Countertop version: 18.8; Floorstanding version: 31 for EK-1500 Series ; Countertop version: 18.2; Floorstanding version: 30.4 for EK-1600 Series		
Environmental	Operating Condition	0°C - 40°C, 20%RH - 90%RH		
	Storage Condition	-20°C - 70°C, 10%RH - 90%RH		
Standard Components	Status Indicator	RGB Color LED Indicator (for portrait mode only)	RGB Color LED Indicator	
	Proximity Sensor	1. Range from 45cm ~ 80cm (for dark color object), 2. Range from 45cm ~ 150cm (for light color object)		
	Camera Module	1MP wide angle camera		
	Printer Module	3" thermal printer w/auto cutter, 250 mm/sec (max.)		
Optional Components	Scanner Module	2D Barcode scanner		
	EMV Payment Device Bracket Support	Custom bracket support for various EMV payment devices		
	MSR	3 tracks ISO or JISII (HID/VCOM selection)		
	Fingerprint Sensor	Optical Type		
	NFC/RFID Reader	Support ISO/IEC 14443-A&B (MIFARE), ISO/IEC 15693, NFC protocols - tag read/write (ISO/IEC-18092)		
	4G/LTE Communication	N/A (for EK-1500 Series); Support selected bands & countries with full SIM slot (mini-PCIe module) by request (for EK-1600 Series)		
	WiFi Module	USB dongle (cannot coexist with 4G/LTE)		M.2 WiFi/BT module (cannot coexist with 4G/LTE)
	Noise Cancellation Microphone Module	No		

*Google Play services is not supported by this device.*Designed and Manufactured in Taiwan by Posiflex Technology, Inc. *Posiflex does not sell the EMV payment devices, but can provide bracket support with an additional charge.
*The product information and specifications are subject to change without prior notice.*Product specifications and model configurations are subject to change and may vary by global region.

Mercury EK-1500/EK-1600 Series

Specifications		EK-1520/EK-1620	EK-1562/EK-1662
Computer	Processor	MTK Genio G700	Intel Raptor Lake U Core i3-1315UE Intel Raptor Lake U Core i5-1335UE (no vPRO) Intel Raptor Lake U Core i5-1345UE
	System Memory	LPDDR4 8GB	DDR5 SO-DIMM, max.32GB
	Storage Device	128GB eMMC	M.2 2280 x 1 (SATA & NVMe)
	Intel vPro Support	N/A	Yes, depends on the processor
	TPM Support	N/A	TPM 2.0, Intel PTT
	Power Supply	12V/60W x 1 + 24V/60W x 1	12V/60W x 1 + 24V/60W x 1
	OS Support	Android 13 (Optional EDLA Certification)	Windows 10 IoT LTSC / Windows 11 LTSC
	Serial Port	DB9 x 1 + RJ50 x 2, 5V/12V support on all COM ports	DB9 x 1 + RJ50 x 2, (5V/12V support on all COM ports)
	Standard USB Port	USB 3.0 x 1+ USB 2.0 x 5	USB 3.0 x 3 + USB 2.0 x 5
	OTG USB	USB-C x 1	N/A
	Display Port	HDMI x 1 + USB-C x 1	USB-C x 1 + HDMI 2.0 x 1
	LAN Port	w/EDLA default: Giga LAN x 1; w/o EDLA option: Giga LAN x 1, 10/100 Mbps x 1	2.5Gbe LAN x 2
	Audio	Speaker out header for support 3W speaker x 2 + MIC jack x 1	Speaker out header for support 3W speaker x 2 + MIC jack x 1
	Internal Expansion Slot	N/A	M.2 2230 for Wi-Fi/BT x 1
Display & Touch	LCD	15" for EK-1500 Series / 15.6" for EK-1600 Series	
	Resolution	1024 x 768 for EK-1500 Series / 1920 x 1080 for EK-1600 Series	
	Touch	True-flat PCAP touch with multi-touch support	
Physical Dimension	Dimensions (W x D x H in mm)	Countertop version (Landscape): 395 x 395 x 550, Floorstanding version (Landscape): 500 x 500 x 1325 for EK-1500 Series Countertop version (Landscape): 395 x 395 x 513, Floorstanding version (Landscape): 500 x 500 x 1286 for EK-1600 Series	
	Weight (N. W. in kg)	Countertop version: 18.8 Floorstanding version: 31for EK-1500 Series ; Countertop version: 18.2;Floorstanding version: 30.4 for EK-1600 Series	
Environmental	Operating Condition	0°C - 40°C, 20%RH - 90%RH	
	Storage Condition	-20°C - 70°C, 10%RH - 90%RH	
Standard Components	Status Indicator	RGB Color LED Indicator	
	Proximity Sensor	1. Range from 45cm ~ 80cm (for dark color object), 2. Range from 45cm ~ 150cm (for light color object)	
	Camera Module	1MP wide angle camera	
	Printer Module	3" thermal printer w/auto cutter, 250 mm/sec (max.)	
Optional Components	Scanner Module	2D Barcode scanner	
	EMV Payment Device Bracket Support	Custom bracket support for various EMV payment devices	
	MSR	3 tracks ISO or JISII (HID/VCOM selection)	
	Fingerprint Sensor	Optical Type	
	NFC/RFID Reader	Support ISO/IEC 14443-A&B (MIFARE), ISO/IEC 15693, NFC protocols - tag read/write (ISO/IEC-18092)	
	4G/LTE Communication	N/A (for EK-1500 Series); Support selected bands & countries with full SIM slot (mini-PCIe module) by request (for EK-1600 Series)	
	WiFi Module	M.2 WiFi/BT module (cannot coexist with 4G/LTE)	
	Noise Cancellation Microphone Module	Yes	

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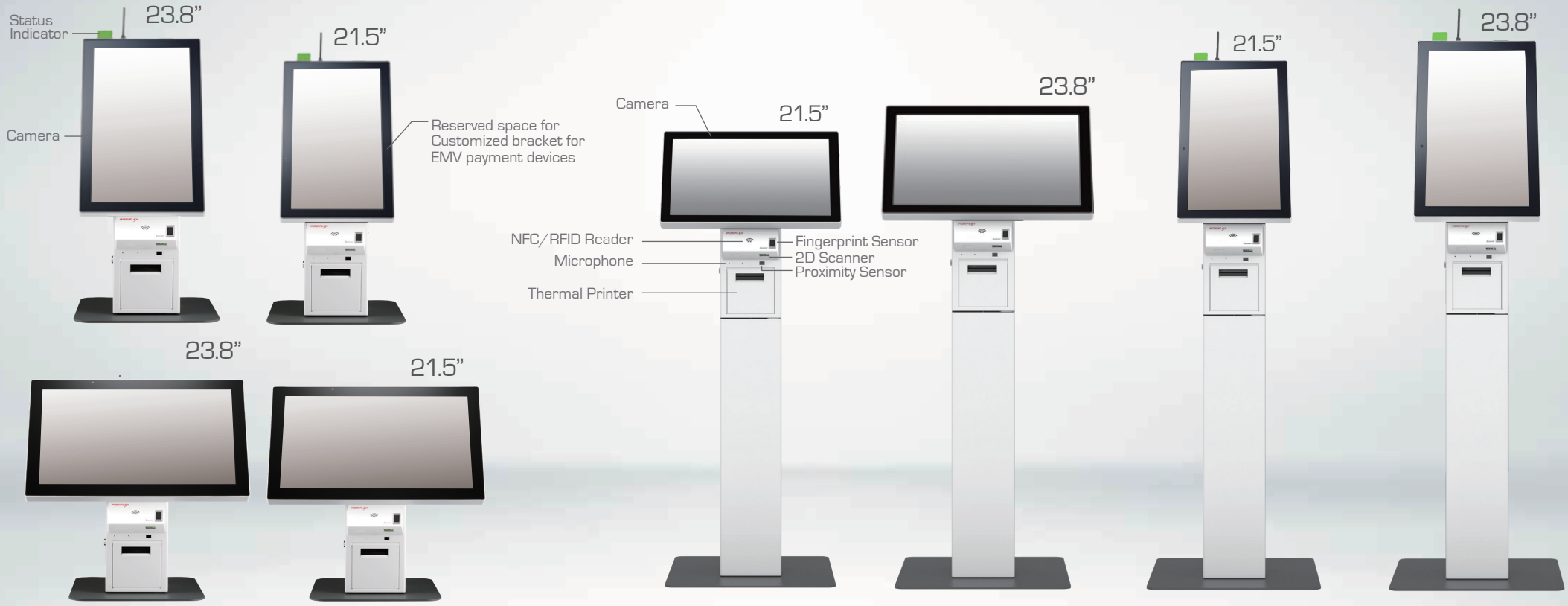
PRODUCT SHOWCASE / Mercury EK-2100 /EK-2400 Series



COUNTERTOP

FLOOR-STANDING

Mercury EK-2100/EK-2400 Series

Specifications		EK-2110/EK-2410	EK-2132/EK-2432	EK-2152/EK-2452
Computer	Processor	Rockchip RK3399, Dual-core Cortex A72 up to 1.8GHz + Quad-core Cortex A53 up to 1.4GHz	Intel Elkhart Lake Celeron J6412, up to 2.60 GHz, 1.5M Cache	Intel Tiger Lake UP3 Core i3 Intel Tiger Lake UP3 Core i5
	System Memory	DDR4 4 GB	DDR4 SO-DIMM slot x 1, max. 16 GB	DDR4 SO-DIMM slot x 1, max. 32 GB
	Storage Device	32 GB eMMC + microSD slot x 1	M.2 SSD [SATA Signal Only] x 1	
	Intel vPro Support	N/A	N/A	Yes, depend on processor
	TPM Support	N/A	TPM 2.0	
	Power Supply	12V/60W x 1 + 24V/60W x 1		
	OS Support	Android 9.0*/Android 10.0 with GMS	Windows 10 IoT LTSC / Windows 11 IoT LTSC	
	Serial Port	2,RJ50 x 2, 5V/12V support on all COM ports	3, DB9 x 1 + RJ50 x 2, 5V/12V support on all COM ports	
	Standard USB Port	6, USB 3.0 x 1+ USB 2.0 x 5	8, USB 3.0 x 2 + USB 2.0 x 6	8, USB 3.0 x 4 + USB 2.0 x 4
	OTG USB	Micro-USB x 1	N/A	
	Display Port	HDMI x 1	HDMI x 1	
	LAN Port	10/100 Mb x 1 10/100/1000 Mb x 1	10/100/1000 Mb x 2	
	Audio	Internal 3W speaker x 2	Internal 3W speaker x 2	
	Internal Expansion Slot	N/A	M.2 x 1	
Display & Touch	LCD	21.5" for EK-2100 Series / 23.8" for EK-2400 Series		
	Resolution	1920 x 1080		
	Touch	True-flat PCAP touch with multi-touch support		
Physical Dimensions	Dimensions (W x D x H in mm)	Countertop version (Portrait): 395 x 395 x 774, Floorstanding version (Portrait): 500 x 500 x 1546 Countertop version (Landscape): 540 x 395 x 588, Floorstanding version (Landscape): 540 x 500 x 1362 for EK-2100 Series Countertop version (Portrait): 395 x 395 x 802, Floorstanding version (Portrait): 500 x 500 x 1576 Countertop version (Landscape): 575 x 395 x 601, Floorstanding version (Landscape): 575 x 500 x 1375 for EK-2400 Series		
	Weight (N. W. in kg)	Countertop version: 22.6; Floorstanding version: 34.8 for EK-2100 Series ; Countertop version: 23.9; Floorstanding version: 36.1 for EK-2400 Series		
Environmental	Operating Condition	0°C - 40°C, 20%RH - 90%RH		
	Storage Condition	-20°C - 70°C, 10%RH - 90%RH		
Standard Components	Status Indicator	RGB Color LED Indicator (for portrait mode only)	RGB Color LED Indicator	
	Proximity Sensor	1. Range from 45cm ~ 80cm (for dark color object), 2. Range from 45cm ~ 150cm (for light color object)		
	Camera Module	1MP wide angle camera		
	Printer Module	3" thermal printer w/auto cutter, 250 mm/sec (max.)		
Optional Components	Scanner Module	2D Barcode scanner		
	EMV Payment Device Bracket Support	Custom bracket support for various EMV payment devices		
	MSR	3 tracks ISO or JISII (HID/VCOM selection)		
	Fingerprint Sensor	Optical Type		
	NFC/RFID Reader	Support ISO/IEC 14443-A&B (MIFARE), SO/IEC 15693, NFC protocols - tag read/write (ISO/IEC-18092)		
	4G / LTE Communication	Support selected bands & countries with full SIM slot (mini-PCIe module) by request (cannot coexist with WiFi)		
	WiFi Module	USB dongle (cannot coexist with 4G/LTE)		M.2 WiFi/BT module (cannot coexist with 4G/LTE)
	Noise Cancellation Microphone Module	No		

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Mercury EK-2100/EK-2400 Series

Specifications		EK-2120/EK-2420	EK-2162/EK-2462
Computer	Processor	MTK Genio G700	Intel Raptor Lake U Core i3-1315UE Intel Raptor Lake U Core i5-1335UE (no vPRO) Intel Raptor Lake U Core i5-1345UE
	System Memory	LPDDR4 8GB	DDR5 SO-DIMM, max.32GB
	Storage Device	128GB eMMC.	M.2 2280 x 1 (SATA & NVMe)
	Intel vPro Support	N/A	Yes, depends on processor
	TPM Support	N/A	TPM 2.0, Intel PTT
	Power Supply	12V/60W x 1 + 24V/60W x 1	12V/60W x 1 + 24V/60W x 1
	OS Support	Android 13 (Optional EDLA Certification)	Windows 10 IoT LTSC / Windows 11 LTSC
	Serial Port	DB9 x 1 + RJ50 x 2, 5V/12V support on all COM ports	DB9 x 1 + RJ50 x 2, (5V/12V support on all COM ports)
	Standard USB Port	USB 3.0 x 1+ USB 2.0 x 5	USB 3.0 x 3 + USB 2.0 x 5
	OTG USB	USB-C x 1	N/A
	Display Port	HDMI x 1 + USB-C x 1	USB-C x 1 + HDMI 2.0 x 1
	LAN Port	w/EDLA default: Giga LAN x 1; w/o EDLA option: Giga LAN x 1, 10/100 Mbps x 1	2.5Gbe LAN x 2
	Audio	Speaker out header for support 3W speaker x 2 + MIC jack x 1	Speaker out header for support 3W speaker x 2 + MIC jack x 1
	Internal Expansion Slot	N/A	M.2 2230 for Wi-Fi/BT x 1
Display & Touch	LCD	21.5" for EK-2100 Series / 23.8" for EK-2400 Series	
	Resolution	1920 x 1080	
	Touch	True-flat PCAP touch with multi-touch support	
Physical Dimension	Dimensions (W x D x H in mm)	Countertop version (Portrait): 395 x 395 x 774, Floorstanding version (Portrait): 500 x 500 x 1546 Countertop version (Landscape): 540 x 395 x 588, Floorstanding version (Landscape): 540 x 500 x 1362 for EK-2100 Series Countertop version (Portrait): 395 x 395 x 802, Floorstanding version (Portrait): 500 x 500 x 1576 Countertop version (Landscape): 575 x 395 x 601, Floorstanding version (Landscape): 575 x 500 x 1375 for EK-2400 Series	
	Weight (N. W. in kg)	Countertop version: 22.6 Floorstanding version: 34.8 for EK-2100 Series Countertop version: 23.9; Floorstanding version: 36.1 for EK-2400 Series	
Environmental	Operating Condition	0°C - 40°C, 20%RH - 90%RH	
	Storage Condition	-20°C - 70°C, 10%RH - 90%RH	
Standard Components	Status Indicator	RGB Color LED Indicator	
	Proximity Sensor	1. Range from 45cm ~ 80cm (for dark color object), 2. Range from 45cm ~ 150cm (for light color object)	
	Camera Module	1MP wide angle camera	
	Printer Module	3" thermal printer w/auto cutter, 250 mm/sec (max.)	
Optional Components	Scanner Module	2D Barcode scanner	
	EMV Payment Device Bracket Support	Custom bracket support for various EMV payment devices	
	MSR	3 tracks ISO or JISII (HID/VCOM selection)	
	Fingerprint Sensor	Optical Type	
	NFC/RFID Reader	Support ISO/IEC 14443-A&B (MIFARE), ISO/IEC 15693, NFC protocols - tag read/write (ISO/IEC-18092)	
	4G / LTE Communication	Support selected bands & countries with full SIM slot (mini-PCIe module) by request (cannot coexist with WiFi)	
	WiFi Module	M.2 WiFi/BT module (cannot coexist with 4G/LTE)	
	Noise Cancellation Microphone Module	Yes	

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Certifications

EN20240329V2

Authorized Distributor / Reseller