



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



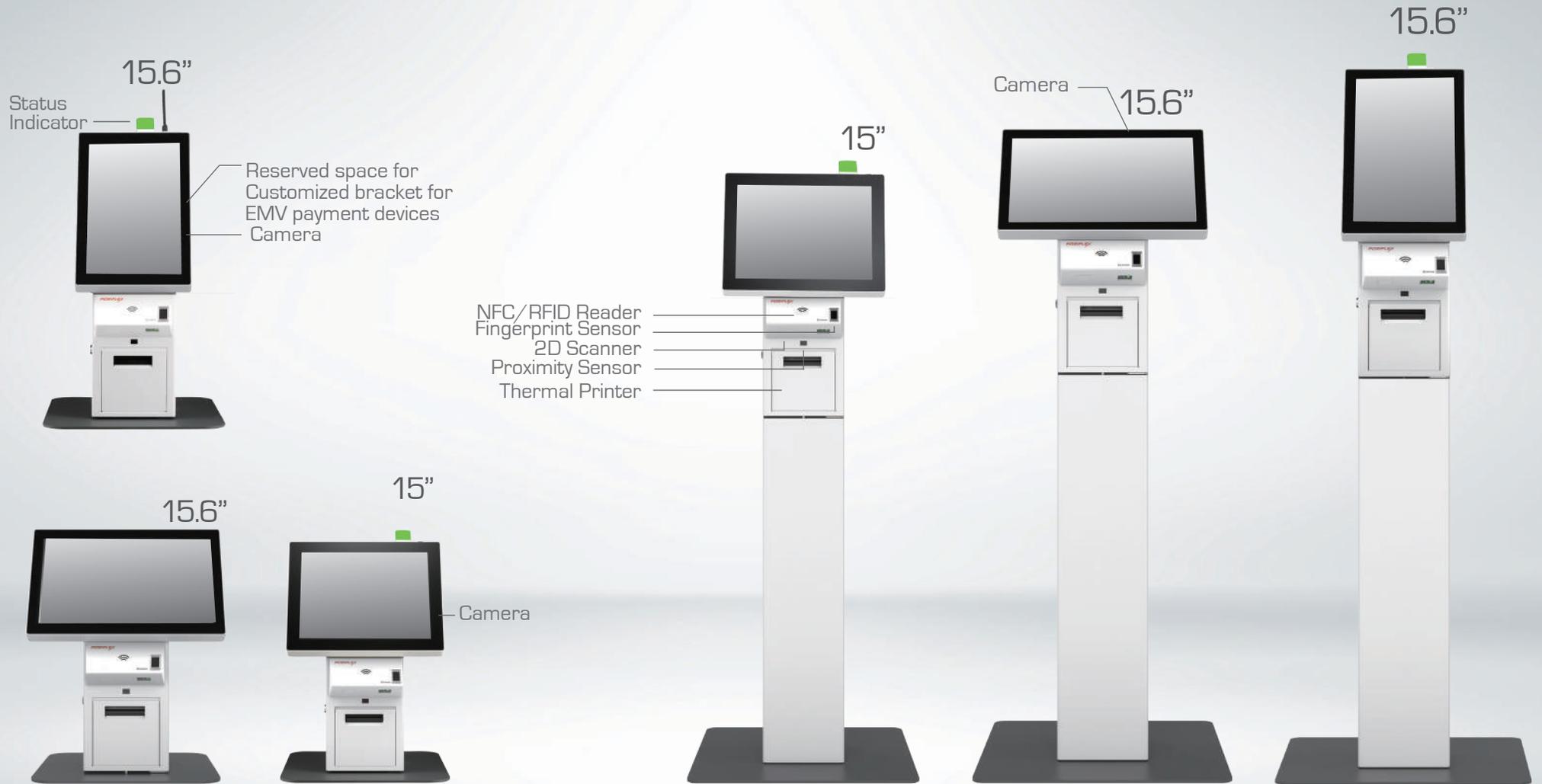
Status Indicator



EMV Supportive*



PRODUCT SHOWCASE / Mercury EK-1500 / EK-1600



COUNTERTOP

FLOOR-STANDING

Specifications

Mercury EK-1500/EK-1600 Series

	EK-1510/EK-1610	EK-1532/EK-1632	EK-1550/EK-1650	EK-1552/EK-1652
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 KabyLake-U Core i3-7100U, 2.40 GHz, 3M Cache; Intel KabyLake-U Core i5-7300U, up to 3.50 GHz, 3M 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	Core i3: N/A Core i5: Optional	Yes, depend on processor
TPM Support	N/A	TPM 2.0	Optional	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 64 bit/ Windows 11	Windows 10 IoT 64 bit	Windows 10 IoT 64 bit/ Windows 11
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 Dimension	Dimension (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 (Portrait): 395 x 395 x 646, Floorstanding version (Portrait): 500 x 500 x 1420 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	Proximity Sensor	Range from 45cm ~ 80cm (for dark color objectives); Range from 45cm ~ 150cm (for light color objectives)		
	Camera	1MP wide angle camera		
	Printer	3" thermal printer w/ auto cutter, 200 mm/sec (max.)		
Optional Components	Status Indicator	RGB Color LED Indicator (for EK-1600 Series portrait mode only)		
	WiFi	USB dongle (cannot coexist with 4G/LTE)		
	Scanner	2D barcode scanner		
	EMV Payment Device Bracket Support*	Custom bracket support for various EMV payment devices		
	Fingerprint Sensor	Optical type		
	NFC/RFID Reader	Support ISO/IEC 14443-A&B (MIFARE), JIS x 6319-4 (Felica), 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)			

*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.

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



COUNTERTOP

FLOOR-STANDING

Specifications

Mercury EK-2100/EK-2400 Series

	EK-2110/EK-2410	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 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. 32 GB
	Storage Device	32 GB eMMC + microSD slot x 1	
	Intel vPro Support	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 64 bit/ Windows 11
	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 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 Dimension	Dimension (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 804, Floorstanding version (Portrait): 500 x 500 x 1576 Countertop version (Landscape): 540 x 395 x 596, Floorstanding version (Landscape): 540 x 500 x 1370 for EK-2400 Series	
	Weight (N. W. in kg)	Countertop version: 22.6; Floorstanding version: 34.8 for EK-2100 Series	
		Countertop version: 23.2; Floorstanding version: 35.4 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	Proximity Sensor	Range from 45cm ~ 80cm (for dark color objectives); Range from 45cm ~ 150cm (for light color objectives)	
	Camera	1MP wide angle camera	
	Printer	3" thermal printer w/auto cutter, 200 mm/sec (max.)	
Optional Components	Status Indicator	RGB Color LED Indicator (for portrait mode only)	
	WiFi	USB dongle (cannot coexist with 4G/LTE)	
	Scanner	2D barcode scanner	
	EMV Payment Device Bracket Support*	Custom bracket support for various EMV payment devices	
	Fingerprint Sensor	Optical type	
	NFC/RFID Reader	Support ISO/IEC 14443-A&B (MIFARE), JIS x 6319-4 (Feiica), 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)	

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