

Element 455

POS Terminal



The new Element 455 is a modular 15" all-in-one POS Terminal equipped with a VESA mount bracket in both the back cover and the stand. The aesthetic design of the chassis and the seamless integration of modular peripherals such as MSR, iButton, Fingerprint, Second Display and Customer Display make it the perfect unit for the retail and hospitality industries.

- > 15" True-Flat PCAP Touch
- > Intel Bay Trail or Skylake U Processor
- > MSR/ iButton/ Fingerprint Available
- > 2nd Display and Customer Display Available
- > High Flexibility with Foldable Stand
- > Customer Display Options (CDU) Available



Fanless & Silent



Intelligent Cable Management



Modular Design for Easy Serviceability



VESA Mount Bracket & Stand

Technical Specifications - Element 455

Item		Parameter	
System	Motherboard	D36	D86U
	Processor	Intel Bay Trail CPU Celeron J1900 2.4GHz	Intel Skylake U CPU Celeron 3955U 2GHz, LLC 2M (15W, EIA) i3-6100U 2.3GHz, LLC 3M (15W, EIA)
	Chipset	CPU Integrated	
	System Memory	1x DDR3L SO-DIMM up to 8GB	1x DDR3L SO-DIMM up to 8GB
	Storage Device	1x 2.5" SATA HDD or SSD	1x 2.5" SATA HDD or SSD
	Graphic Engine	Intel HD Graphic DX11 and OCL1.1	Intel HD Graphic DX12 and OCL4.2
	LCD Touch Panel	LCD Size	15" TFT LCD
Brightness		300 nits	350 nits
Resolution		1024 x 768	1024 x 768
Touch Screen		True-Flat PCAP Touch	
Expansion	miniPCI-E Socket	1	
External I/O Ports	USB	1x USB3.0, 4x USB 2.0	4x USB3.0, 2x USB2.0
	Serial Port	3x RJ45 (powered RS232)	
	LAN	1x RJ45	
	Cash Drawer	1x RJ11 (12V/24V)	
	VGA	1x DB15	
	Cash Drawer	1 (RJ 11)	
	DC Jack	1x 4 pin w/ lock	
Optional I/O	Powered USB	1x Powered USB 12V, 1x Powered USB 24V	
Audio	Internal Speaker	2x 2W (Option)	
Indicator	LED Indicator	1	
Power	Power Supply	65W / 19V (120W / 19V with PUSB 12V & 24V)	90W / 19V (120W / 19V with PUSB 12V & 24V)
Communication	WLAN + BT	802.11 a/b/g/n/ac WLAN card + BT 4.0 (Option)	
Peripheral (option)	MSR	3-Track MSR (USB)	
	iButton	iButton (USB)	
	Fingerprint	Fingerprint Reader (USB)	
	2nd Display	8.4" without touch	
	Customer Display	LCM display 2 x 20 characters (USB)	
Certificate	EMC & Safety	FCC Class A, CE Mark, LVD	
Environment	Operating Temperature	0°C ~ 35°C (32°F ~ 95°F)	
	Storage Temperature	-20°C ~ 60°C (-4°F ~ 140°F)	
	Humidity	20% ~ 80% RH non-condensing	
Dimension (WxDxH)	360 x 203 x 277 mm (14.2" x 8.0" x 10.9")		
Weight	4.3 kg (9.5 lbs)		
Mounting	VESA Mount 100 x 100		
OS Supported	Windows 7, POSReady 7, Windows Embedded 8.1 Industry, Windows 10 IoT Enterprise, Linux	Windows 7 Pro (64bit), POSReady 7 (64bit), Windows 8.1 (64bit), Windows Embedded 8.1 Industry (64bit), Windows 10 (64bit), Windows 10 IoT Enterprise (64bit), Linux	