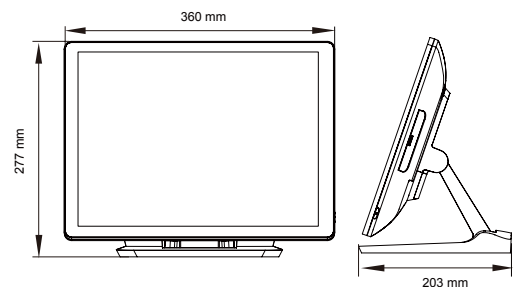# element

Element 455
POS Touch Terminal

The Element 455 is an elegant next generation 15" All-in-One POS Terminal. Its clean look and durable construction integrates well into a wide range of customer facing environments including retail and hospitality. It offers superior serviceability and upgradability and can easily convert between desktop use and wall-mount use (VESA mount in both the back cover and stand). Seamless integration of modular peripherals such as MSR, iButton, Fingerprint, and multiple customer facing display options are available.

> 15" True-Flat PCAP Touch
> Intel Bay Trail or Skylake U Processor
> Fanless and Silent
> Modular design for easy serviceability
> High flexibility with foldable stand
> MSR / iButton / Fingerprint available
> 2nd Display and Customer Display Available

360 mm

277 mm

203 mm

Modular design peripherals for easy serviceability

High flexibility with foldable stand

Technical Specifications - Element POS455

Item		Parameter	
		D36	**D86U**
Motherboard	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	
	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	
	Touch Screen	True Flat PCAP Touch	
	Tilt Adjustment	0° ~ 90°	
Storage Device	Hard Drive	1x 2.5" SATA HDD	
	Flash Memory	1x SATA SSD card (Option)	
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) (default 0V; COM1,COM2 0V/5V; COM3 0V/12V)	
	LAN	1x RJ45	
	Cash Drawer	1x RJ11	
	VGA	1x DB15	
	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	Indicator LED	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) (either iButton or Fingerprint)	
	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% ~ 85% RH non-condensing	
Mounting		VESA Mount 100 x 100 mm for Panel PC Type	
Dimension (WxDxH)		360 x 203 x 277 mm (14.2" x 8.0" x 10.9")	
Weight		4.3 kg (9.5 lbs)	
OS Supported		Windows 7 OEM, POSReady 7, Windows Retail, Embedded 8.1 Retail, Windows 10 IoT, Linux	Windows 7 OEM, POSReady 7, Windows Embedded 8.1, Windows 10 IoT, Linux

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