

## Element 455

15.1", 15.6" and 18.5" POS Terminal



Element 455 is a modular 15.1", 15.6" or 18.5" 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, hospitality or digital signage industries where you need larger format displays to suit your applications.

- > 15.1", 15.6" or 18.5" True-Flat PCAP Touch Display
- > Intel Bay Trail, Skylake U or Elkhart Lake Processor
- > MSR/ iButton/ Fingerprint Available
- > 2nd Display and Customer Display Available
- > High Flexibility with Foldable Stand
- > Customer Display Options (CDU) Available



Fanless & Silent



15.1", 15.6" and 18.5" Touch Display Options available



Optional stand

# Technical Specifications - Element 455 15.1", 15.6" and 18.5" Options

Item		Parameter				
<b>System</b>	Model	<b>455</b>		<b>455</b>		<b>455W</b>
	Motherboard	D36		D86U		F34
	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)		Intel® Elkhart Lake Celeron J6412 2.4GHz
	Chipset	CPU Integrated				
	System Memory	1x DDR3L SO-DIMM up to 8GB		1x DDR3L SO-DIMM up to 8GB		4GB DDR4 up to 8GB
	Storage Device	1x 2.5" SATA HDD or SSD		1x 2.5" SATA HDD or SSD		128GB SSD (M.2)
	Graphic Engine	Intel HD Graphic DX11 and OCL1.1		Intel HD Graphic DX12 and OCL4.2		Intel HD Graphic DirectX 12, OpenCL 1.2, OpenGL 4.5, OpenGL-ES 3.2 and Vulkan 1.1
<b>LCD Touch Panel</b>	LCD Size	15.1" TFT LCD	18.5" TFT LCD	15.1" TFT LCD	18.5" TFT LCD	15.6" TFT LCD
	Aspect Ratio	4:3	16:9	4:3	16:9	16:9
	Resolution	1024 x 768	1366 x 768	1366 x 768	1366 x 768	1920 x 1080
	Brightness	300 nits		350 nits		300 nits
	Touch Screen	True-Flat PCAP Touch				
<b>Expansion</b>	miniPCI-E Socket	1			Type A: 2x USB 3.0, 2x USB 2.0 Type C: 1x USB 3.0, 1x USB 2.0	
<b>External I/O Ports</b>	USB	1x USB 3.0, 4x USB 2.0		4x USB 3.0, 2x USB 2.0		3x USB 3.0, 3USB 2.0
	Serial Port	3x RJ45 (powered RS232)				2x DB9 (default 0V; COM1/COM2: 0V, 5V, 12V)
	LAN	1x RJ45				
	Cash Drawer	1x RJ11 (12V/24V)				
	VGA	1x DB15				1 X Fedp port
	DC Jack	1x 4 pin w/ lock				
<b>Optional I/O</b>	Powered USB	1x Powered USB 12V, 1x Powered USB 24V				
<b>Audio</b>	Internal Speaker	2x 2W (Option)			1x 3W (Option)	
<b>Indicator</b>	LED Indicator	1				
<b>Power</b>	Power Supply	65W / 19V (120W / 19V with PUSB 12V & 24V)		90W / 19V (120W / 19V with PUSB 12V & 24V)		65W / 19V
<b>Communication</b>	WLAN + BT	802.11 a/b/g/n/ac WLAN card + BT 4.0 (Option)				
<b>Peripheral (option)</b>	MSR	3-Track MSR (USB)				
	iButton	iButton (USB)				
	Fingerprint	Fingerprint Reader (USB)				
	2nd Display	10.1" without touch			11.6" (touch optional)	
	Customer Display	LCM display 2 x 20 characters (USB)				
<b>Certificate</b>	EMC & Safety	FCC Class A, CE Mark, LVD				
<b>Environment</b>	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			20% ~ 85% RH non-condensing	
<b>Dimension (WxDxH)</b>	15.1" - 360 x 203 x 277 mm (14.2" x 8.0" x 10.9") 18.5" - 460 x 281 x 237 mm (18.1" x 11" x 9.3")				369 x 209 x 264 mm (14.5" x 8.2" x 10.4")	
<b>Weight</b>	15.1" - 4.3 kg (9.5 lbs) 18.5" - 6 kg (13.2 lbs)				4.5kg (10lbs)	
<b>Mounting</b>	VESA Mount 100 x 100					