

Element 455 & 455W

15.1", 15.6" and 18.5" POS Terminal



Element 455, 15.1", 15.6" or 18.5" and 455W, 15.6" is a modular 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, Intel Tiger Lake or Elkhart Lake Processor
- > MSR/ iButton/ Fingerprint Available
- > 2nd Display and Customer Display Available
- > High Flexibility with Foldable Stand



Fanless & Silent



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



Optional stand

Technical Specifications - Element 455 & 455W 15.1", 15.6" and 18.5"

Item		Parameter						
System	Model	455		455		455W		455W
	Motherboard	D36		D86U		F34		F84U
	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 2.6GHz		Intel® Tiger Lake i3-1115G4
	Chipset	CPU Integrated						
	OS	Windows 10 IoT Enterprise, Linux						
	System Memory	1x DDR3L SO-DIMM up to 8GB		1x DDR3L SO-DIMM up to 8GB		4GB DDR4 (Max 32GB)		4GB DDR4 (Max 32GB)
	Storage Device	1x 2.5" SATA HDD or SSD		1x 2.5" SATA HDD or SSD		128GB SSD (M.2)		128GB SSD (M.2) MAX 256GB
	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		Intel Graphic (Gen 9) DX12, define on CPU
LCD Touch Panel	LCD Size	15.1" TFT LCD	18.5" TFT LCD	15.1" TFT LCD	18.5" TFT LCD	15.6" TFT LCD		15.6" TFT LCD
	Aspect Ratio	4:3	16:9	4:3	16:9	16:9		16:9
	Resolution	1024 x 768	1366 x 768	1024 x 768	1366 x 768	1920 x1080		1920x1080
	Brightness	300 nits		350 nits		220 nits		220 nits
	Touch Screen	True-Flat PCAP Touch						
Expansion	miniPCI-E Socket	1						
External I/O Ports	USB Type-A	1x USB3.0, 4x USB 2.0		4x USB3.0, 2x USB2.0		2x USB.3.0, 2x USB2.0		2x USB.3.0, 2x USB2.0
	USB Type-C	-		-		1x USB.2.0 (data only) 1x USB 3.0 (data only)		1x USB.3.0 (data only) 1x USB 3.0 (full-featured)
	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 (12V powered enable by BIOS)				1 X Fedp port		
	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)				1x 3W (Option)		
Indicator	LED Indicator	1						
Power	Power Supply	65W / 19V (120W / 19V with PUSB 12V & 24V)		90W / 19V (120W / 19V with PUSB 12V & 24V)		65W / 19V		120W / 19V
Communiaction	WLAN + BT (Optional)	802.11 a/b/g/n/ac WLAN card + BT 4.0 (Option)				WiFi+BT USB dongle (Optional)		
Peripheral (option)	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)						
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				20% ~ 85% RH non-condensing		
Dimension (WxDxH)		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")		
Weight		15.1" - 4.3 kg (9.5 lbs) 18.5" - 6 kg (13.2 lbs)				4.3kg (9.5lbs)		4.3kg (9.5 lbs)
Mounting		VESA Mount 100 x 100						
Warranty		36 Months						

* Specifications may change without notification (E&OE)