

Element 455W

15.6" Widescreen POS Terminal



Element 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.

- > 15.6" True-Flat PCAP Touch Display
- > Intel Tiger Lake 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



15.6" Touch Display



2nd Display Option available



Optional stand

Technical Specifications - Element 455W 15.6"

| Item | Parameter | | |
|----------------------------|---|---|--|
| System | Model | 455W | 455W |
| | Motherboard | F34 | F84U |
| | Processor | Intel® Elkhart Lake Celeron J6412 2.6GHz | Intel® Tiger Lake i3-1115G4 |
| | Chipset | CPU Integrated | |
| | OS | Windows 10 IoT Enterprise, Linux | |
| | System Memory | 4GB DDR4 (Max 32GB) | 4GB DDR4 (Max 32GB) |
| | Storage Device | 128GB SSD (M.2) | 128GB SSD (M.2) MAX 256GB |
| | Graphic Engine | 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 | 15.6" TFT LCD | 15.6" TFT LCD |
| | Aspect Ratio | 16:9 | 16:9 |
| | Resolution | 1920 x1080 | 1920x1080 |
| | Brightness | 220 nits | 220 nits |
| | Touch Screen | True-Flat PCAP Touch | |
| Expansion | miniPCI-E Socket | 1 | |
| External I/O Ports | USB Type-A | 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 | 2x DB9 (default 0V; COM1/COM2: 0V, 5V, 12V) | |
| | LAN | 1x RJ45 | |
| | Cash Drawer | 1x RJ11 (12V/24V) | |
| | VGA | 1 X Fedp port | |
| | DC Jack | 1x 4 pin w/ lock | |
| Optional I/O | Powered USB | 1x Powered USB 12V, 1x Powered USB 24V | |
| | RUSB | In display | |
| Audio | Internal Speaker | 1x 3W (Option) | |
| Indicator | LED Indicator | 1 | |
| Power | Power Supply | 65W / 19V | 120W / 19V |
| Communiaction | WLAN + BT (Optional) | WiFi+BT USB dongle (Optional) | |
| Peripheral (option) | MSR | 3-Track MSR (USB) | |
| | iButton | iButton (USB) | |
| | Fingerprint | Fingerprint Reader (USB) | |
| | 2nd Display | 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% ~ 85% RH non-condensing | |
| Dimension (WxDxH) | 369 x 209 x 264 mm (14.5" x 8.2" x 10.4") | | |
| Weight | 4.3kg (9.5 lbs) | | |
| Mounting | VESA Mount 100 x 100 | | |
| Warranty | 36 Months | | |

* Specifications may change without notification (E&OE)