

# element™

DESIGN. QUALITY. PURPOSE



ELEMENT 455W POS Terminal

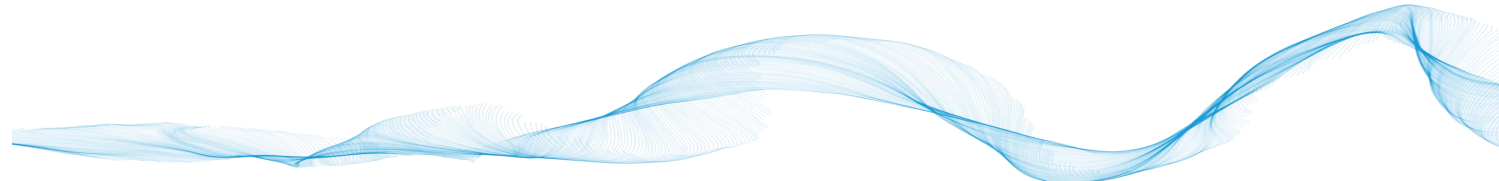


# ELEMENT PRODUCT UPDATE

## Element 455W POS Terminal

### Element 455W

Element 455W, 15.6" is an 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.



# ELEMENT PRODUCT UPDATE

## Element 455W POS Terminal

### Features

- 15.6" True-Flat PCAP multi-touch Display
- Intel Tiger Lake or Elkhart Lake Processor
- MSR/ iButton/ Fingerprint Available
- Fanless design with multiple CPU options
- 2nd Display and Customer Display Options (CDU) Available
- High Flexibility with Foldable Stand
- Modular design with blade peripherals
- Double Hinge foldable stand
- Multiple Vesa mounting options.
- Easy access to rich I/O's
- Intelligent cable management
- Standard 3-year warranty.



*New Class of Advanced Performance*



*Covered 99% World Leading Platform*



*11.6" LCD Customer Display*

# ELEMENT PRODUCT UPDATE

## Element 455W POS Terminal

### Sleek & Fashionable

The Element 455W is built with industrial grade components designed from the ground up to support a range of processors in an all-in-head design. The result a POS terminal designed to be sleek and fashionable, whilst providing the power, performance and reliability needed for varied POS applications.

- Designed for industrial and commercial applications.
- Uses the long-term roadmap of Intel embedded chip sets.
- Built for the modern needs of Retail and Hospitality.



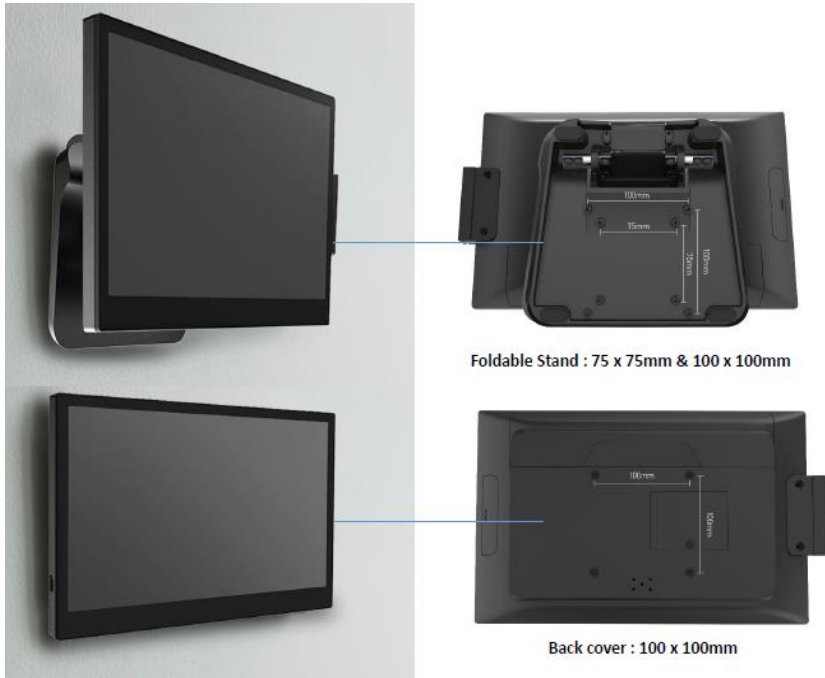
\*Optional Stand

# ELEMENT PRODUCT UPDATE

## Element 455W POS Terminal

### Foldable Stand

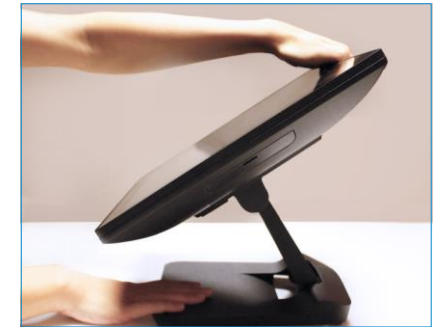
- High Flexibility
- Double Hinge
- VESA mounting compatible for both back cover and foldable stand



Step 1.



Step 2.



Package Size & Cost are Lower



# ELEMENT PRODUCT UPDATE

## Element 455W POS Terminal

### Modular Design



*Blade Connectivity*



### Peripherals with Blade Connectivity

- High Interchangeability
- Easy Maintenance



*iButton*



*3-Track MSR*



*Fingerprint*

# ELEMENT PRODUCT UPDATE

## Element 455W POS Terminal

### Connectivity



- |  |                                       |
|--|---------------------------------------|
| 7. DC Jack                                 | 1. RJ11 Cash drawer port              |
| 8. RJ45 LAN port                           | 2. DB9 COM port (2)                   |
| 9. FeDP port (for 2 <sup>nd</sup> display) | 3. USB 3.0 port (2)                   |
| 10. Powered USB 24V port (option)          | 4. USB Type-C port (USB2.0 data only) |
| 11. Powered USB 12V port (option)          | 5. USB Type-C port (USB3.0 data only) |
|  | 6. USB 2.0 port (2)                   |

# ELEMENT PRODUCT UPDATE

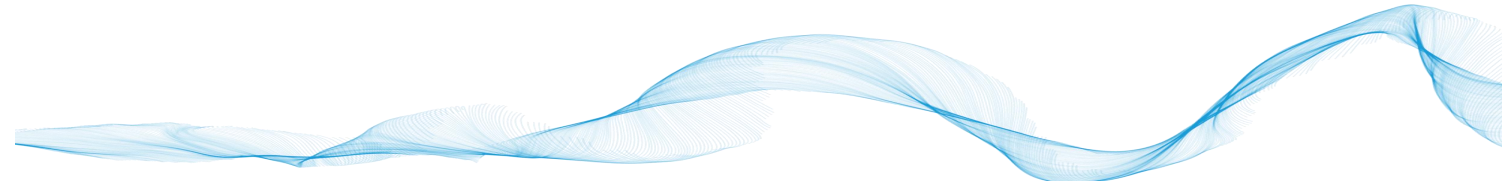
## Element 455W POS Terminal

### Summary

Applications
Hospitality such as:
• Quick service restaurants
• Pubs
• Clubs
• Cafes
Fashion & Apparel
Grocery
Pharmacy
Petroleum
Digital Signage industry
Industrial and Commercial

Features
15.6" True-Flat PCAP multi-touch Display
Fanless design built for retail, reliable and robust
High Flexibility with Foldable Stand Double Hinge foldable stand
Elkhart Lake or Tigerlake Processor
2nd Display and Customer Display Options (CDU) Available
Modular design with blade peripherals - MSR/ iButton/ Fingerprint

Unique Selling Points
Sleek and fashionable
Powerful, performance and reliability driven needed for varied POS applications
Intelligent cable management
Easy access to rich I/O's
Multiple mounting & stand options
Built with industrial grade components designed from the ground up to support a range of processors in an all- in-head design.

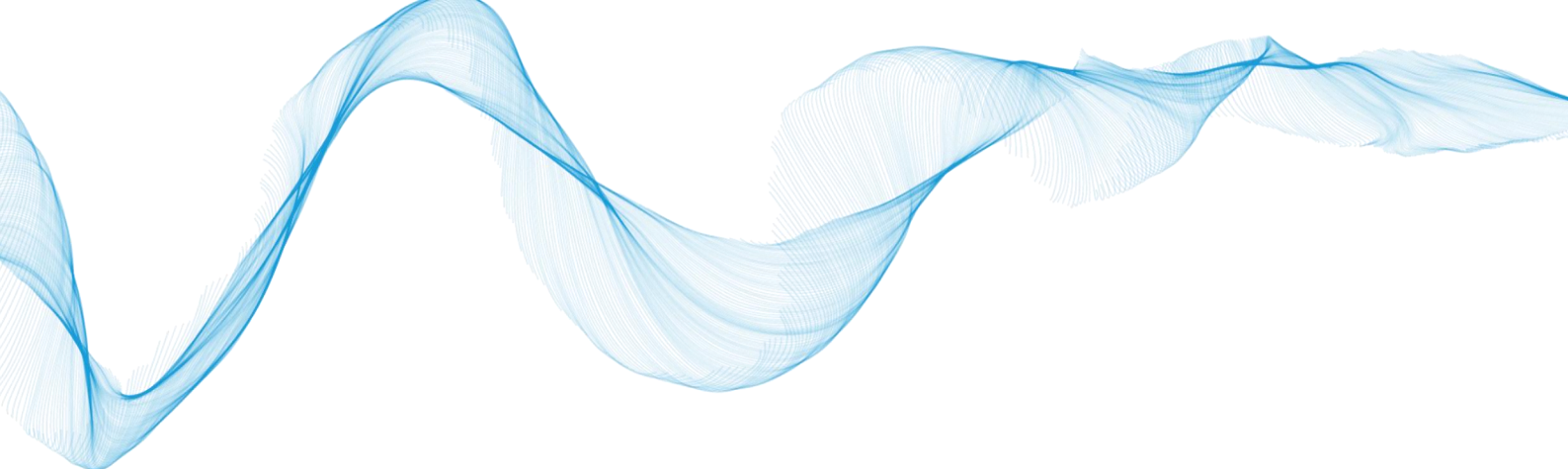




# SPECIFICATIONS

	Model	455W	455W
	Motherboard	F34	F84U
System	Processor	Intel® Elkhart Lake Celeron J6412 2.6 GHz	Intel® Tiger Lake i3-1115G4
	Memory	4GB DDR4 (Max 32GB)	
	Storage	128GB SSD (M.2)	
Display	Size and Resolution	15.6" 1920x1080	
	Touch Screen	True-Flat PCAP multi-touch	
Expansion	Mini PCI-E Slot	1	
I/O Ports	USB Type-A	2x USB3.0, 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 4PIN 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 Speaker	1	
Power	Power Adapter	65W / 19V	120W / 19V
Communication	Wireless LAN + BT (Optional)	Wi-Fi + BT USB dongle (Option)	
Peripherals (Option)	MSR	3-Track MSR (USB)	
	Fingerprint	Fingerprint reader (USB)	
	iButton	iButton (USB)	
	Customer Display	LCM display 2 x 20 characters (USB)	
	2nd Display	11.6" 2nd display (optional)	
Certificate	EMC & Safety	FCC Class A, CE Mark, LVD	
Environment	Operating Temperature	0°C ~ 35°C (32°F ~ 95°F)	
	Storage Temp.	-20°C ~ 60°C (-4°F ~ 140°F)	
	Humidity	20% ~ 85% RH non-condensing	
Dimensions	W x D x H	15.6" 369 x 209 x 264 mm (14.5" x 8.2" x 10.4")	
Weight	Weight	4.3 kg (9.5 lbs)	
Mounting	VESA Mount	100 x 100	
OS Supported		Windows 10 IoT Enterprise Linux	

\*Product specifications and data are subject to change without notice (E&OE)



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[www.elementpos.co](http://www.elementpos.co)