

element™

DESIGN. QUALITY. PURPOSE



ELEMENT 455 AIO POS TOUCH TERMINAL



ELEMENT PRODUCT INFORMATION

Element 455

Element 455 is a sleek & modular 15" 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 and fingerprint make it the perfect unit for the retail and hospitality industries.

- Borderless design with True Flat, P-Cap multi-touch technology
- Fanless design with multiple CPU options
 - J1900, 3955U and i3-6100U
- Modular design with blade peripherals, 3-Track MSR, customer display options (CDU) & fingerprint available
- Double Hinge foldable stand
- Multiple Vesa mounting options.
- Easy access to rich I/O's
- Intelligent cable management
- Standard 3 year warranty.

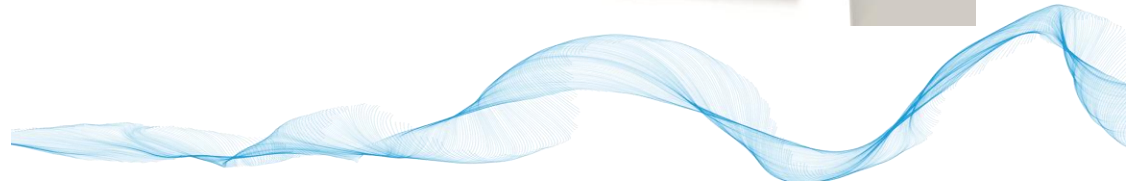


ELEMENT PRODUCT INFORMATION

Element 455

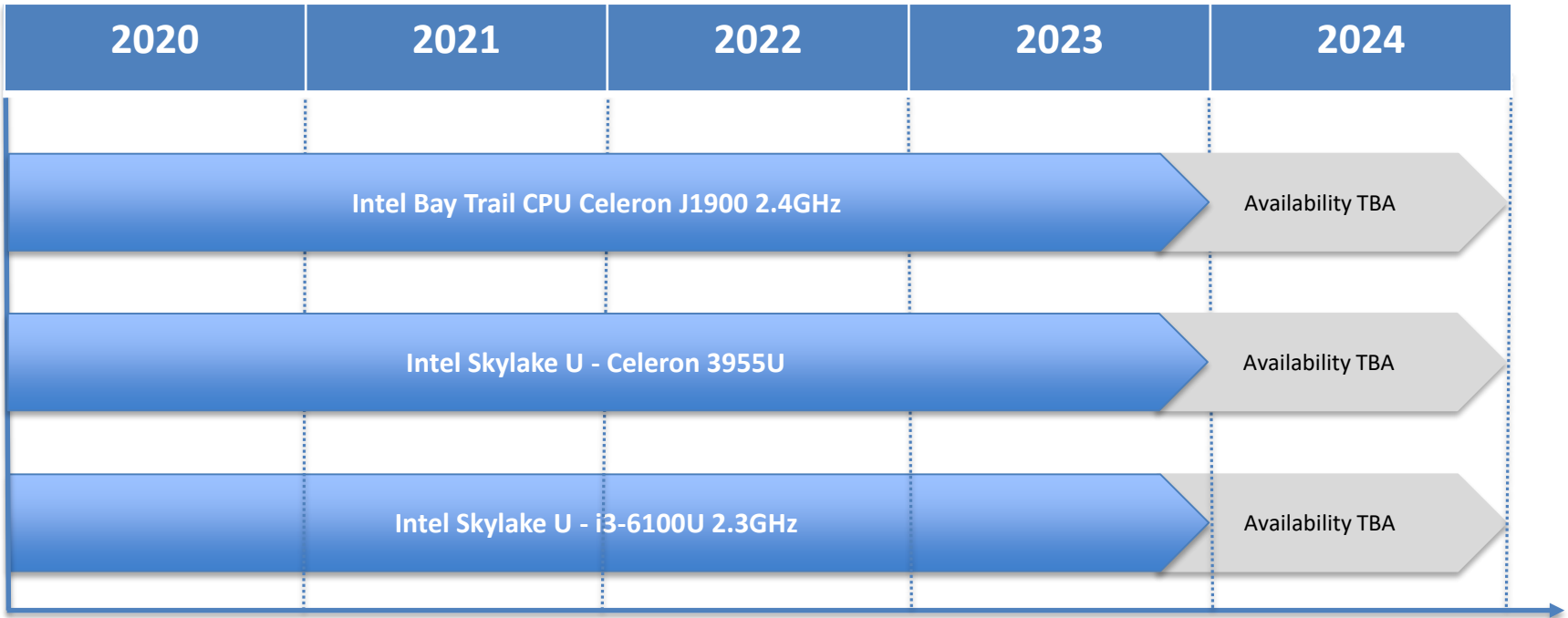
The Element 455 is built with industrial grade components designed from the ground up to support a range of processors in an all-in-head design. The result a POS terminal designed to be sleek and fashionable, whilst providing the power, performance and reliability needed for varied POS applications.

- 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.

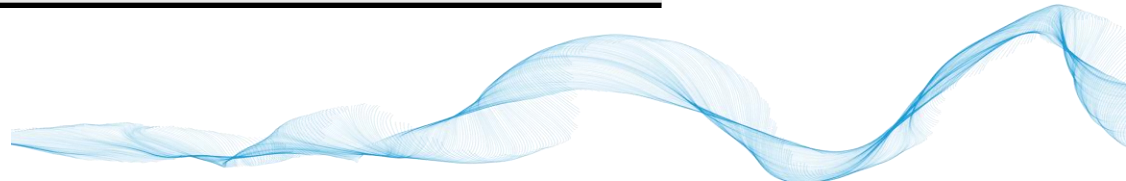


ELEMENT PRODUCT ROADMAP

Element 455



CPU	Type	Bench Mark	Single Thread
i3-6100U 2.3GHz	Laptop - 14W - 2 Core (2 logic cores per physical)	3603	1301
Celeron 3955U 2.00GHz	Laptop - 15W - 2 Core	1943	1048
Celeron J1900 1.99GHz	Desktop - 10W - 4 Core	1853	534



ELEMENT 455 DESIGN

Element 455



FAN-LESS DESIGN



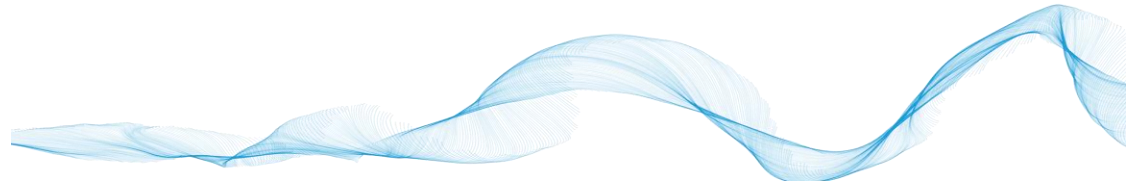
15" DISPLAY

True-Flat PCAP Touch

Resolution 1024 x 768

Dimension 360 x 203 x 277 mm (14.2" x 8.0" x 10.9")

Weight 4.3 kg (9.5 lbs)



ELEMENT 455 FLEXIBLE INSTALLATION

Element 455

- *Wall-Mounted POS Display*
- *VESA Mount Bracket in the Back Cover & the Stand*



VESA Compatible 75x75mm , 100x100mm



ELEMENT 455 FOLDABLE STAND

Element 455

- *High Flexibility*
- *Double Hinge*

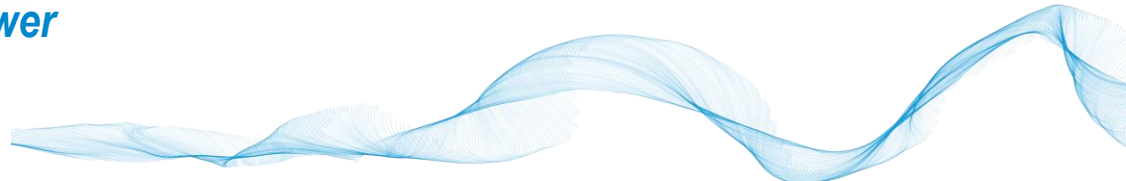


Package Size & Cost are **Lower**

Step 1.



Step 2.

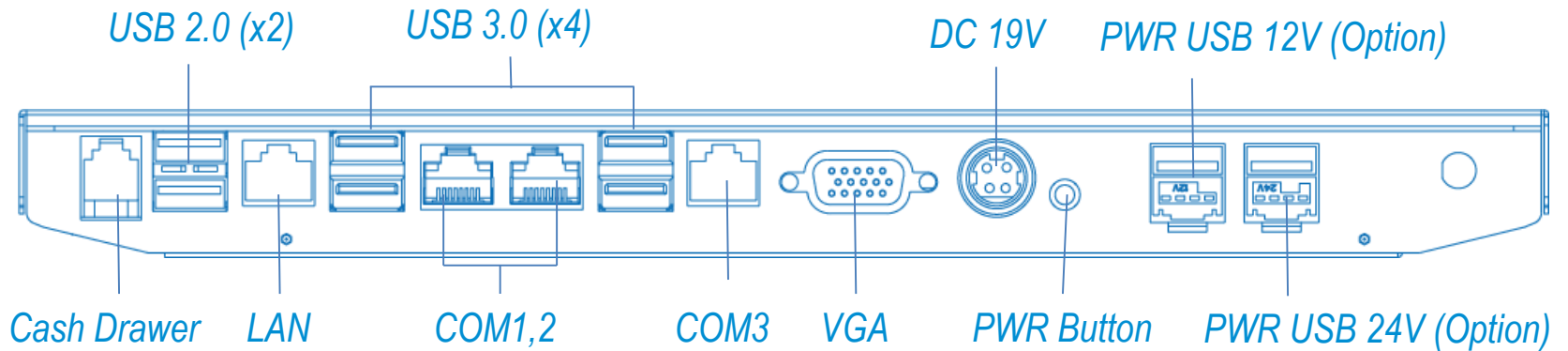


ELEMENT 455 CONNECTIVITY

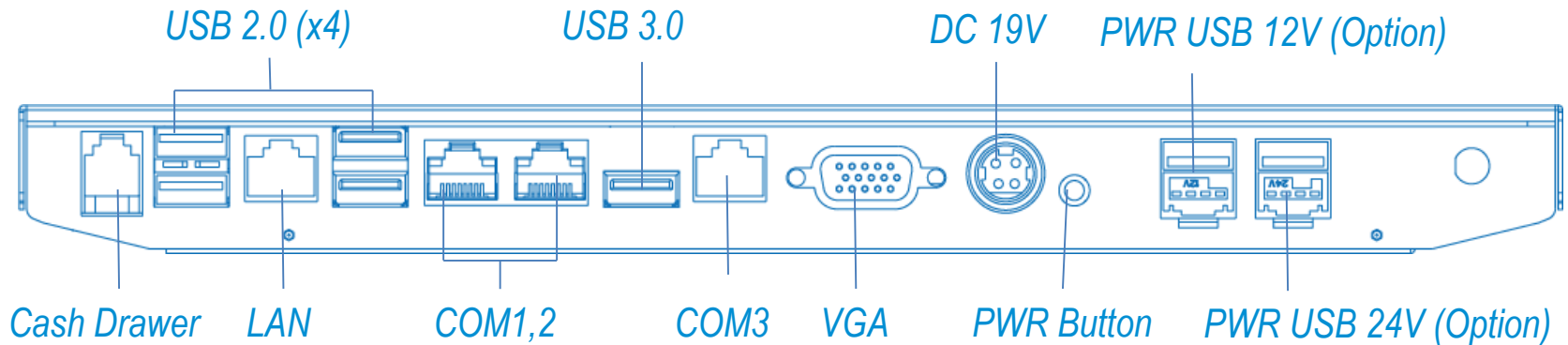
Element 455

EASY ACCESS TO RICH I/O PORTS

D86U (Skylake-U)



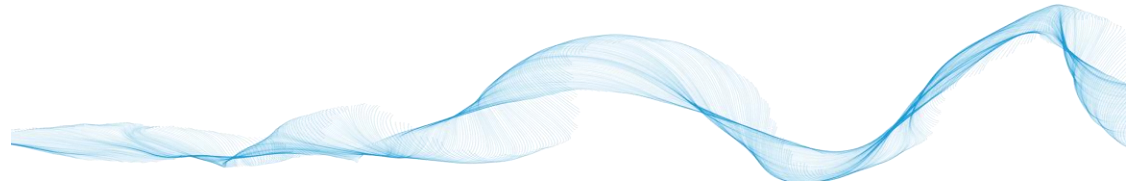
D36 (Bay Trail J1900)



ELEMENT CABLE MANAGEMENT

Element 455

- *Intelligent Cable Management*
- *Route cable through counter hole or through the rear of the 455.*
- *Zero Cable foot print*



ELEMENT 455 MODULAR DESIGN

Element 455

- **Peripherals with Blade Connectivity**
High Interchangeability
Easy Maintenance



Blade Connectivity



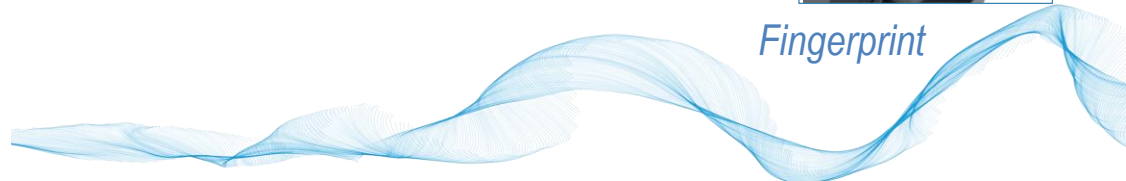
iButton



3-Track MSR



Fingerprint



ELEMENT 455 CUSTOMER DISPLAYS

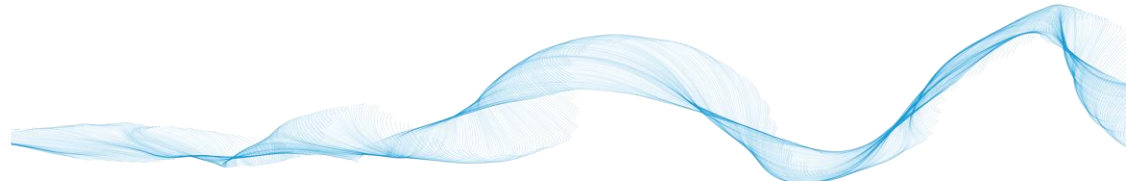
Element 455



LCD Customer Display



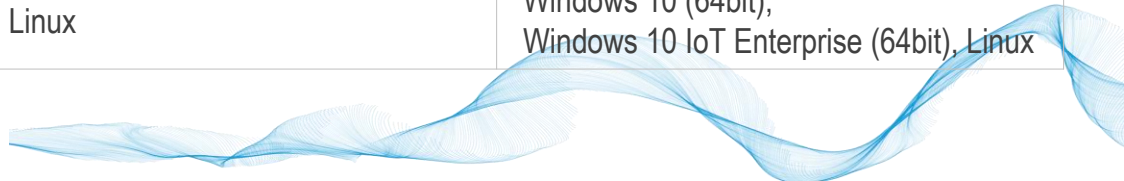
10.1" LCD Customer Display

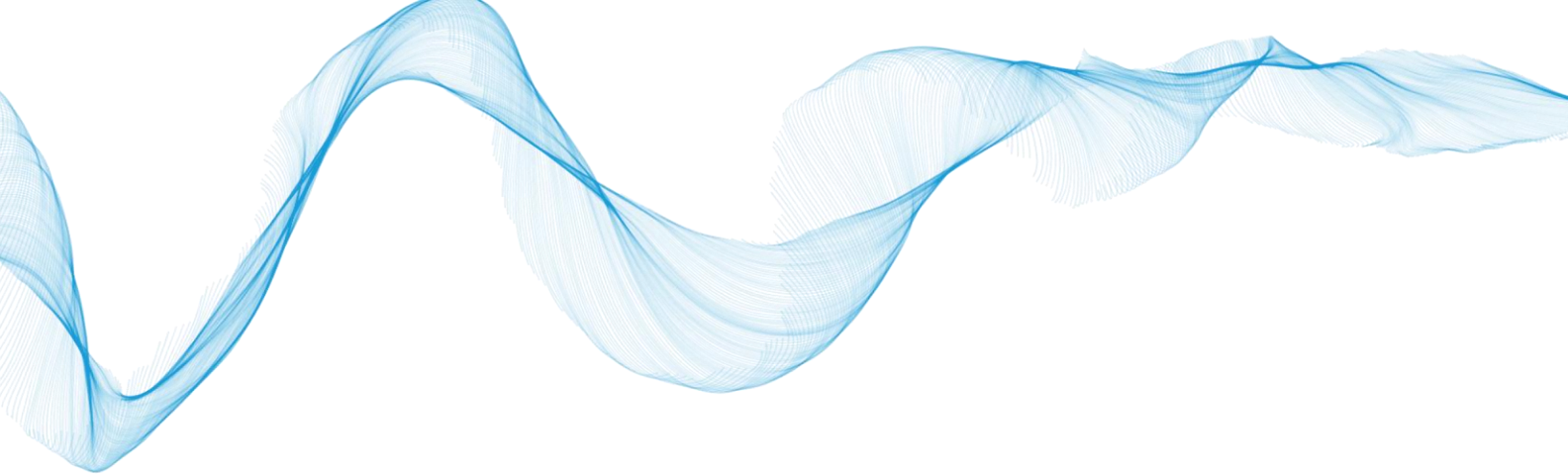


ELEMENT SPECIFICATIONS

System	Motherboard	D36	D86U
	<i>Processor</i>	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)
	<i>Chipset</i>	CPU Integrated	CPU Integrated
	<i>System Memory</i>	1x DDR3L SO-DIMM up to 8GB	1x DDR3L SO-DIMM up to 8GB
	<i>Storage Device</i>	1x 2.5" SATA HDD or SSD	1x 2.5" SATA HDD or SSD
	<i>Graphic Engine</i>	Intel HD Graphic DX11 and OCL1.1	Intel HD Graphic DX12 and OCL4.2
LCD Touch Panel	<i>LCD Size</i>	15" TFT LCD	15" TFT LCD
	<i>Brightness</i>	300 nits	350 nits
	<i>Resolution</i>	1024 x 768	1024 x 768
	<i>Touch Screen</i>	True-Flat PCAP Touch	True-Flat PCAP Touch
Expansion	<i>Mini PCI-E Slot</i>	1	
External I/O Ports	<i>USB</i>	1x USB3.0, 4x USB2.0	4x USB3.0, 2x USB2.0
	<i>Serial Port</i>	3x RJ45 (powered RS232) (default 0V, COM1,2 0V/5V; COM3 0V/12V)	3x RJ45 (powered RS232) (default 0V, COM1,2 0V/5V; COM3 0V/12V)
	<i>LAN</i>	1x RJ45	1x RJ45
	<i>Cash Drawer</i>	1x RJ11 (12V/24V)	1x RJ11 (12V/24V)
	<i>VGA</i>	1x DB15	1x DB15
	<i>DC Jack</i>	1x 4 pin w/ lock	1x 4 pin w/ lock
Optional I/O	<i>Power USB</i>	1x Power USB 12V, 1x Power USB 24V	

	Motherboard	D36	D86U
Audio	<i>Internal Speaker</i>	2x 2W (Option)	
Indicator	<i>LED Indicator</i>	1	
Power	<i>Power Supply</i>	65W / 19V (120W / 19V with PUSB 12V & 24V)	90W / 19V (120W / 19V with PUSB 12V & 24V)
Communication	<i>WLAN + BT</i>	802.11 a/b/g/n/ac WLAN card + BT 4.0 (Option)	
Peripheral (Option)	<i>MSR iButton Fingerprint 2nd Display Customer Display</i>	3-Track MSR (USB) iButton (USB) Fingerprint Reader (USB) 10.1" without touch LCM display 2 x 20 characters (USB)	
Certificate	<i>EMC & Safety</i>	FCC Class A, CE Mark, LVD	
Environment	<i>Operating Temperature Storage Temperature Humidity</i>	0°C ~ 35°C (32°F ~ 95°F) -20°C ~ 60°C (-4°F ~ 140°F) 20% ~ 80% RH non-condensing	
Dimensions (WxDxH)		360 x 203 x 277 mm (14.2" x 8.0" x 10.9")	
Weight		4.3 kg (9.5 lbs)	
Mounting		VESA Mount 100 x 100	
OS Supported		Windows 7, POSReady 7, Windows Embedded 8.1 Industry, Windows 10 IoT Enterprise, Linux	Windows 7 Pro (64bit), POSReady 7 (64bit), Windows 8.1 (64bit), Windows Embedded 8.1 Industry (64bit), Windows 10 (64bit), Windows 10 IoT Enterprise (64bit), Linux





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