

# ELEMENT CA255W

Versatile All-in-One 15.6" POS Solution

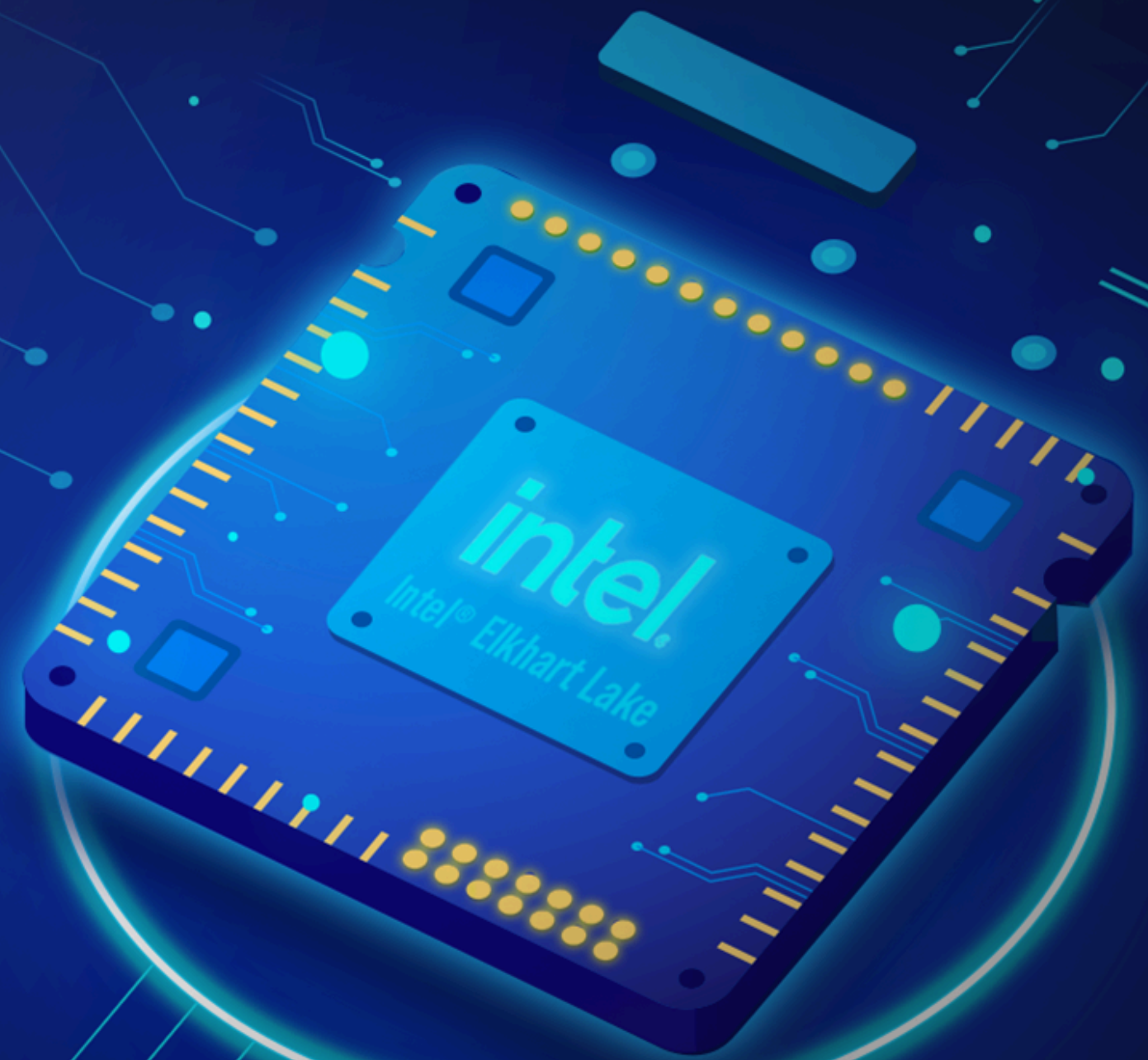
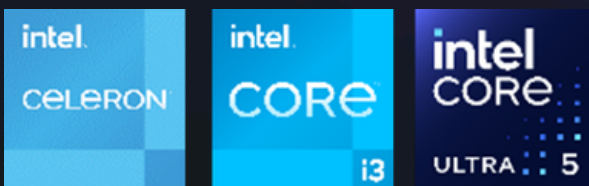


# Best-in-Class Performance

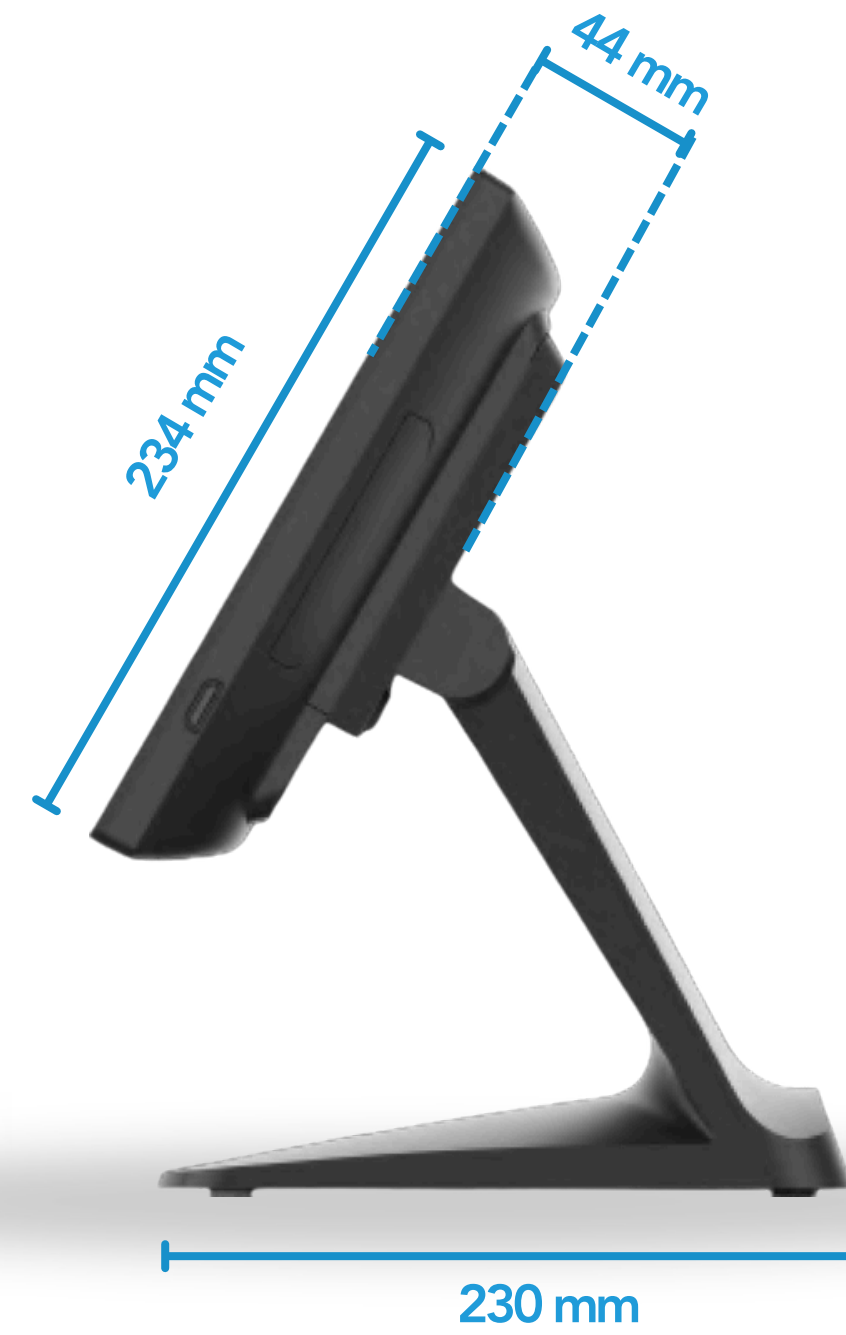
The Element CA255W is a next-generation 15.6" all-in-one POS terminal designed for performance, durability, and versatility. With a True-Flat PCAP touchscreen, Intel® Elkhart Lake processors, and a modular I/O design, it delivers the flexibility to power high-performance retail and hospitality environments with ease.

Crafted with a precision-engineered frame and a modern minimal aesthetic, the CA255W combines fanless reliability, multiple expansion options, and quick-swap M.2 SSD architecture — ensuring optimal uptime and serviceability. Its compatibility with Windows 11 IoT, Linux, and Android 13 makes it a future-ready solution for hybrid deployments.

From bustling cafés to multi-terminal enterprise rollouts, the CA255W is engineered for quiet performance, seamless integration, and long-term dependability — reflecting the Element standard of Design. Quality. Purpose.



# Dimensions



# Larger and Clearer

- High quality images - 15.6" Full HD display (1920 x 1080)
- Versatile performance for retail, hospitality, and enterprise use
- Modular design supports evolving POS and service applications
- Fan-less operation ensures quiet, dependable reliability
- Quick serviceability with accessible storage and I/O architecture
- Flexible deployment across multiple OS environments
- Premium industrial design enhances customer-facing aesthetics
- Engineered for uptime — built for daily, high-volume operation



# Reduce Noise and Dust

Fan-less operation ensures quiet, dependable reliability



# Dual Displays

Enhance the customer experience by displaying promotions and providing real-time order confirmation using the 11.6" second display or LCM display options, ideal for restaurants, cafés, and retail environments.



# Superior Connectivity & Expandability

Modular peripheral design delivers the high interchangeability, easy maintenance and serviceability.

Optional Accessories:



2nd Display



LCM Display



MSR



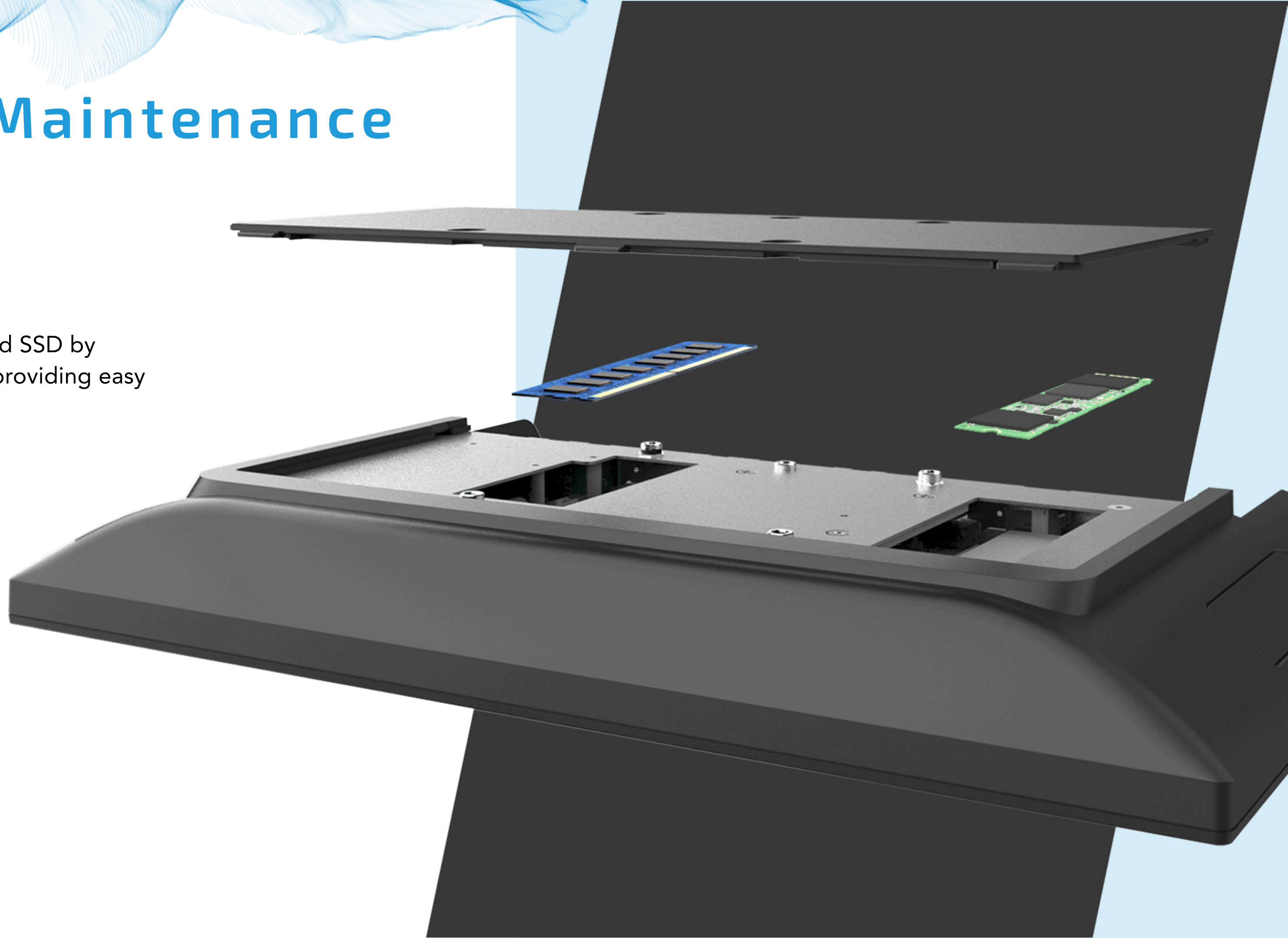
Fingerprint Reader



iButton

# Simpler Maintenance

Effortlessly access RAM and SSD by removing the back cover, providing easy field serviceability.



# Multiple Configurations

Modular design supports evolving POS and service applications

Flexible transformation allowing for Desktop POS, wall-mounted Display to self-service Kiosk in both retail and hospitality environments.

**Non-foldable Stand**



**Foldable Stand Option**



**Printer Stand Option  
(Epson TM-T70II)**



**Wall-mount option**



# Technical Specifications

System	Motherboard	F35
	Processor	Intel® Elkhart Lake Celeron J6412
	Memory	8GB DDR4
	Storage	128GB SSD M.2
Expansion	M.2 (M Key)	1
Display	Size and Resolution	15.6" 1920 x 1080
	Touch Screen	True-Flat PCAP multi-touch
I/O Ports	USB Type-A	2x USB3.0, 4x USB2.0
	USB Type-C	1x USB3.0 full-functioned (DP/PD 5V/3A, 12V/3A)
	FeDP	1x proprietary miniDP (for 2nd display)
	Serial Port	3x RJ48 (standard RS232) (default 0V; 5V,12V)
	LAN	1x RJ45
	Cash Drawer	1x RJ11
	DC Jack	1x 4PIN (with latch)
Optional I/O	Powered USB	2x Powered USB 12V 1x Powered USB 24V
Audio	Internal Speaker	1 x 3W (Option)
Indicator	Power Button	1
Power	Power Adapter	65W/19V (120W/19V with 2x PUSB12V & 1x PUSB 24V)
Communication	WLAN + BT	802.11 series + BT5.2 (Option)

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

# Technical Specifications

Peripheral (optional)	MSR	3-Track MSR (USB)
	Fingerprint	Fingerprint Reader (USB)
	iButton	iButton (USB)
	2D Scanner	2D Scanner (USB) (*project-based)
	Customer Display	LCM display 2 x 20 characters (USB)
	2 <sup>nd</sup> Display	11.6" 2nd Display
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
Dimensions	W x H x D	369 x 310 x 230 mm (14.5" x 12.2" x 9.1")
Mounting	VESA Mount	100 x 100
OS Supported		Windows 11 IoT Enterprise, Linux, Android 13.0

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



element™

DESIGN - QUALITY - PURPOSE

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