

element™ Orion

Element Orion Series



OVERVIEW

The Element Orion Series is an Android and Windows POS Terminal that revolutionises business operations with its versatile design. Powered by the MediaTek G700 (MT8390) & Intel® J6412 processor, it ensures swift performance on the operating systems across 11.6", 15.6", and 21.5" touchscreen options.

Featuring dual displays and flexible mounting capabilities, it seamlessly transitions between touch monitor mode and a full POS system, ideal for diverse retail environments. This all-in-one solution caters to both staff POS needs and customer NFC tap-on device payments.

Adaptable for kiosks, digital displays, and payment systems, the Orion Series can be wall-mounted, pole-mounted, or used as a self-service kiosk, offering unmatched flexibility.



START CREATING YOUR SOLUTION



1



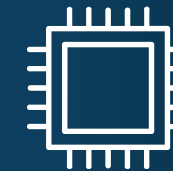
Choose your
form factor

2



Choose your
panel size

3



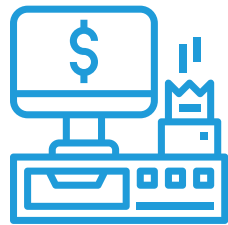
Choose your
module

4

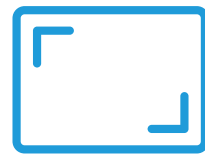


Choose your
accessories and
peripherals

1-Choose your form factor



Point of Sale



Panel PC



Touch Monitor

2 - Choose your panel size

21.5"



15.6"



11.6"



Optional with or without NFC

3 - Choose your module



Point of Sale



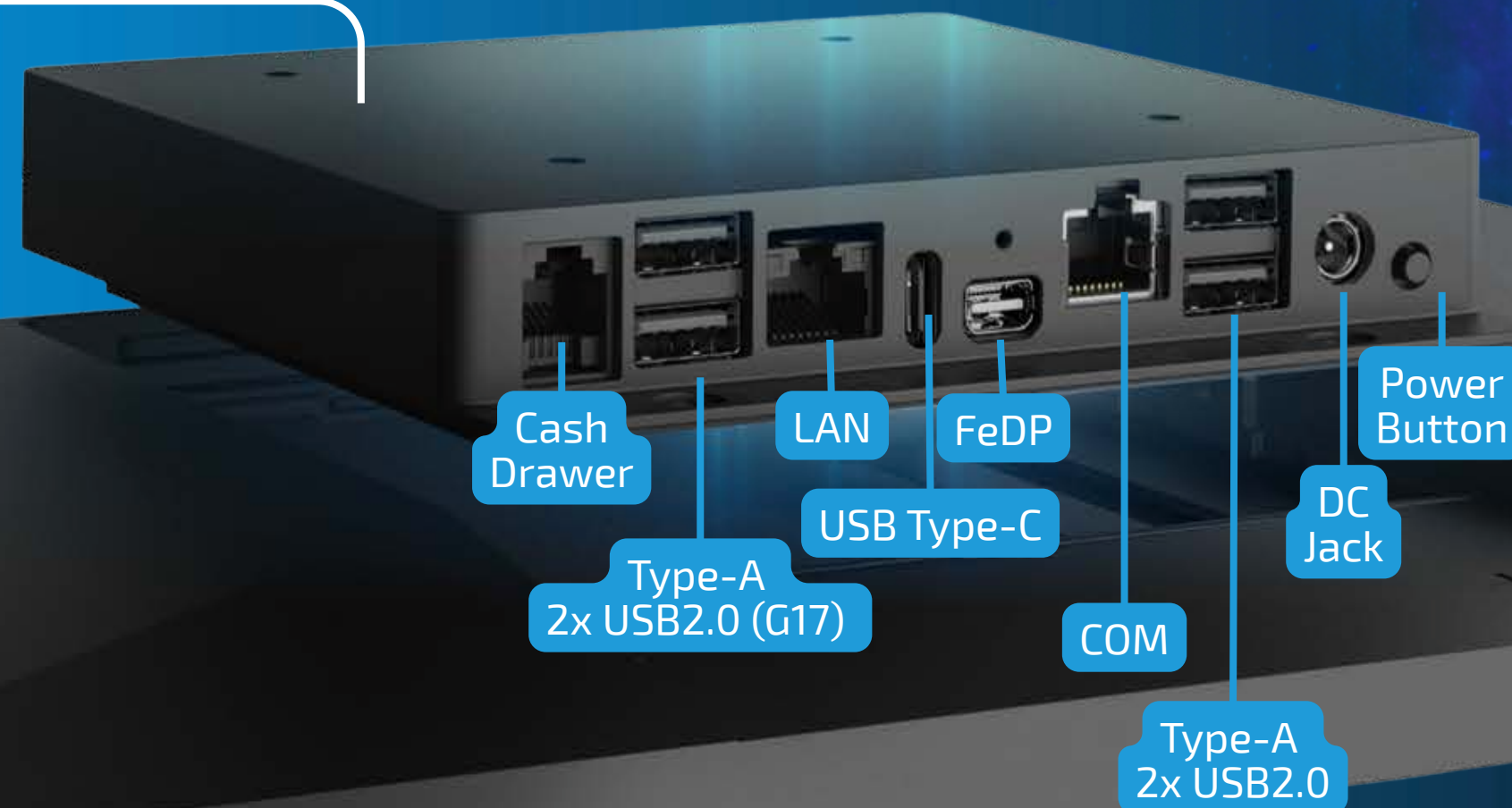
Panel PC

Changing configurations is a breeze – simply swap modular boxes as needed. This approach enhances adaptability, allowing customers to effortlessly change and adapt their setup to meet specific business needs.

Touch PC Module

Transform your display into an all-in-one Panel PC and POS terminal.

**die-casting housing*

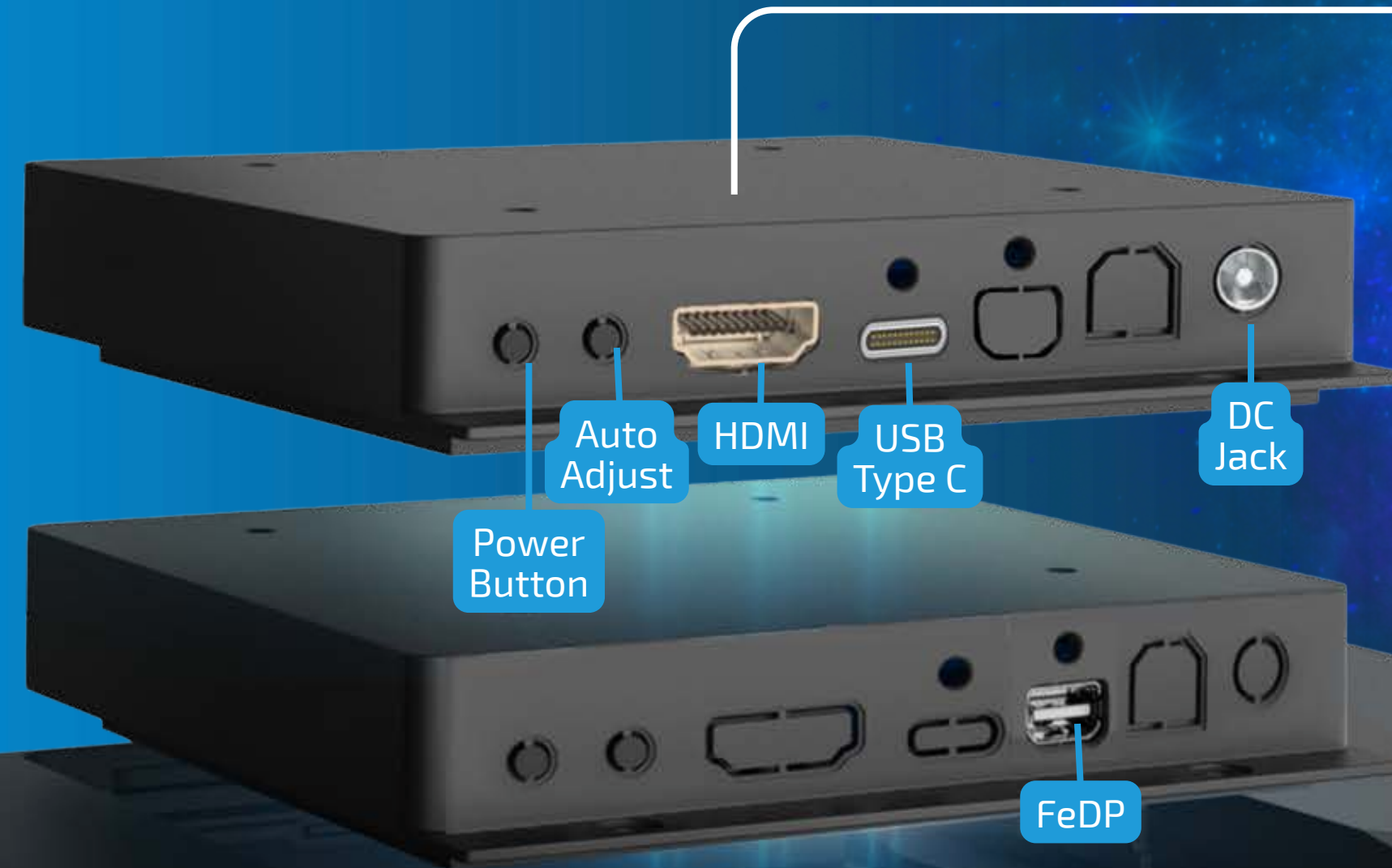


3 - Choose your backpack



Touch Monitor

With USB-C, you get a simple single-cable solution that streamlines your setup.



Display Monitor Module

Transform your display for a versatile touch monitor experience.

4 - Choose your accessories

The Element Orion series offers a wide range of peripherals that can be easily mounted on the right side of the display. Enjoy seamless integration and enhanced functionality, creating a personalised solution that empowers your business and elevates the customer experience.

** One peripheral can be mounted only on the right side of the display system.*

** The peripherals of the fingerprint, scanner, and RFID are project-specific options.*



MSR



RFID

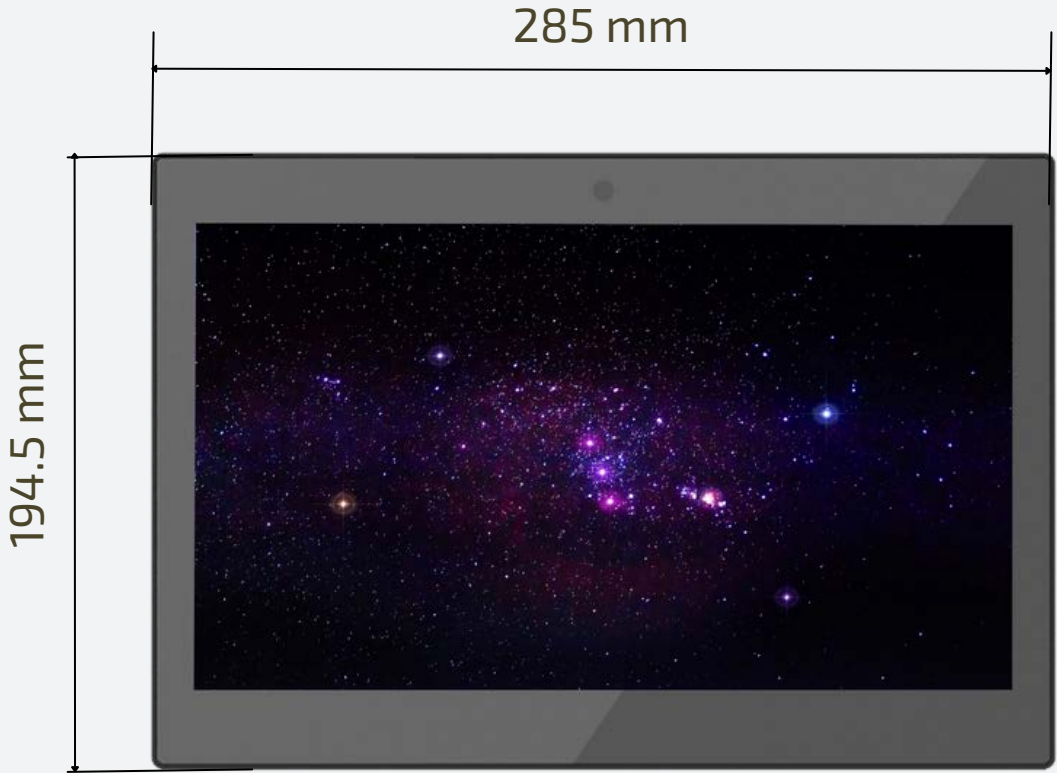


Scanner





Dimensions - 11.6 Inch



Mother Board



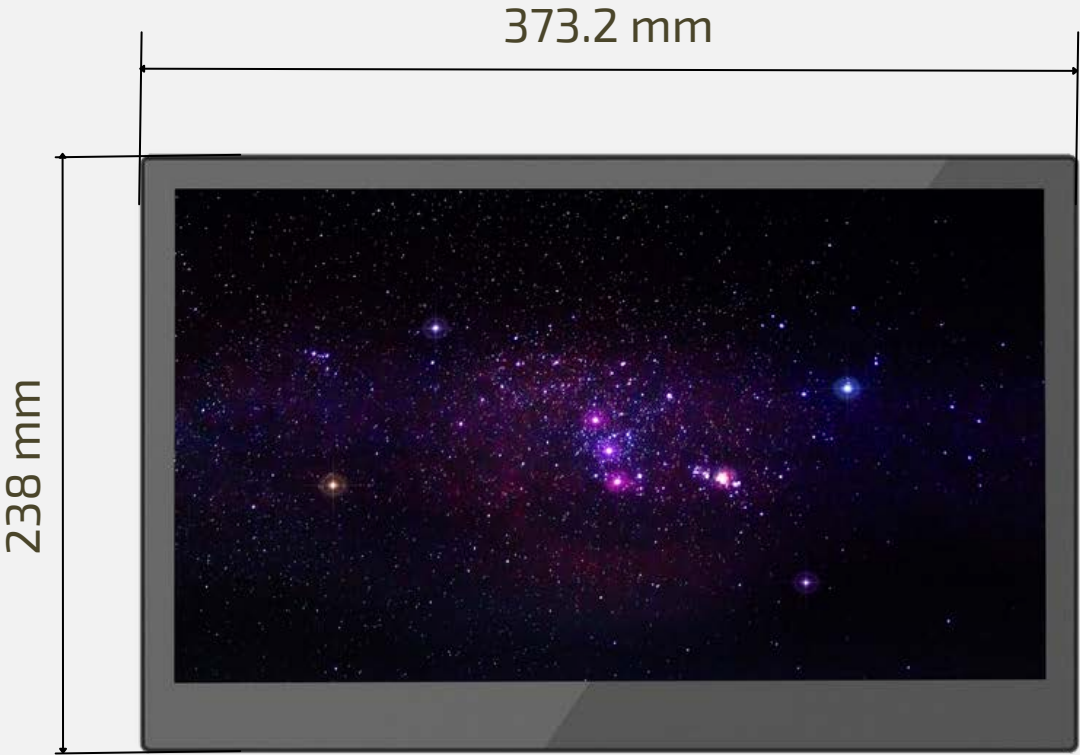
32.9 mm

Scalar Board



29.4 mm

Dimensions - 15.6 Inch



Mother Board



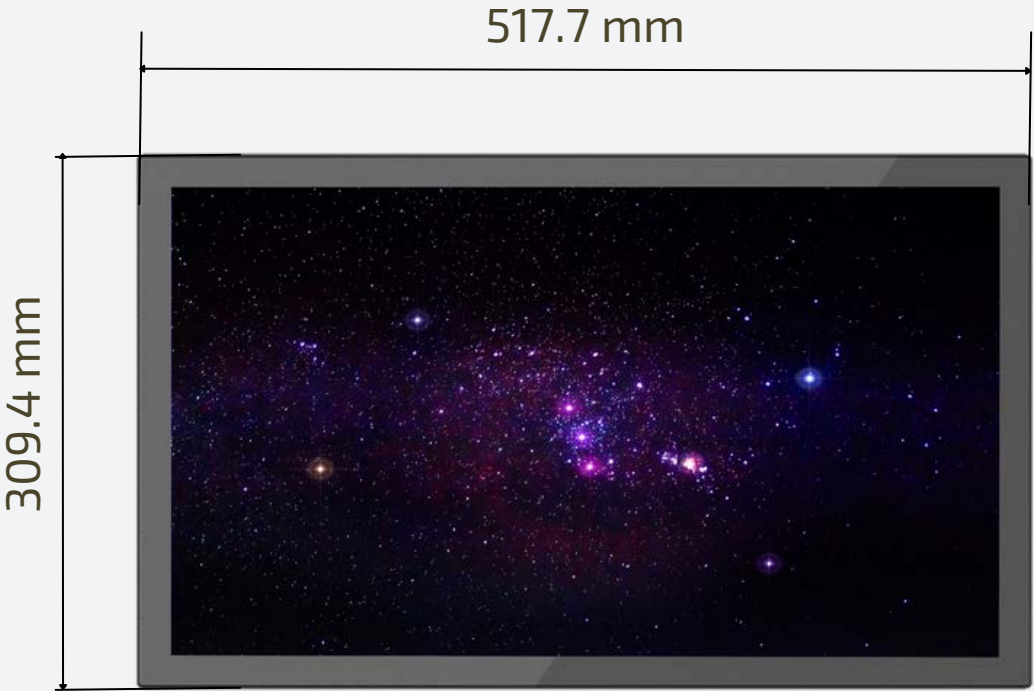
Scalar Board



33.2 mm

29.7mm

Dimensions - 21.5 Inch



Mother Board



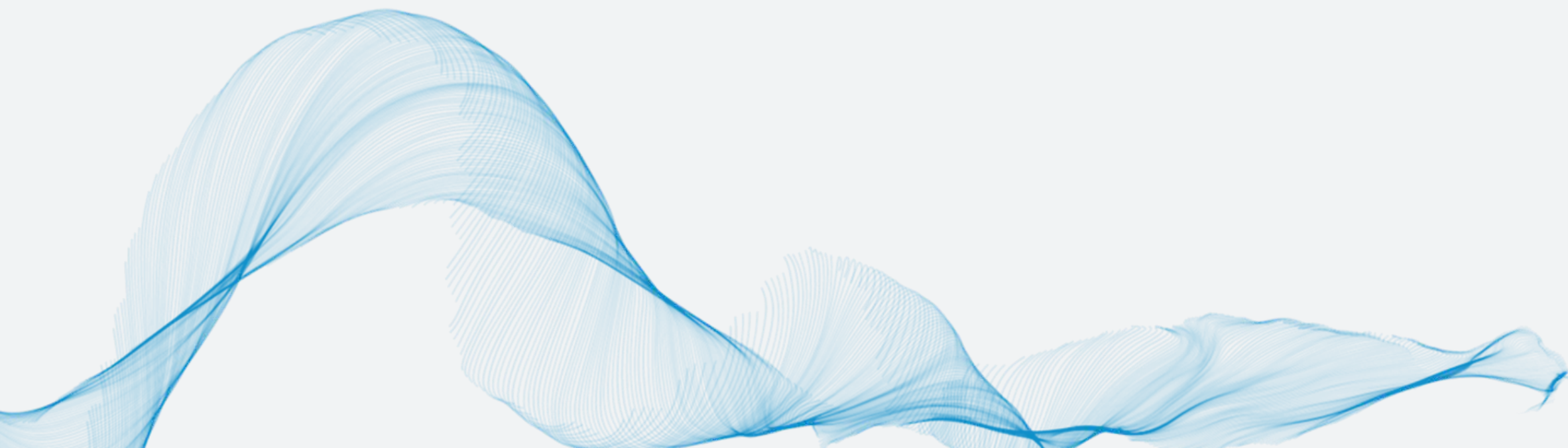
44.1 mm

Scalar Board



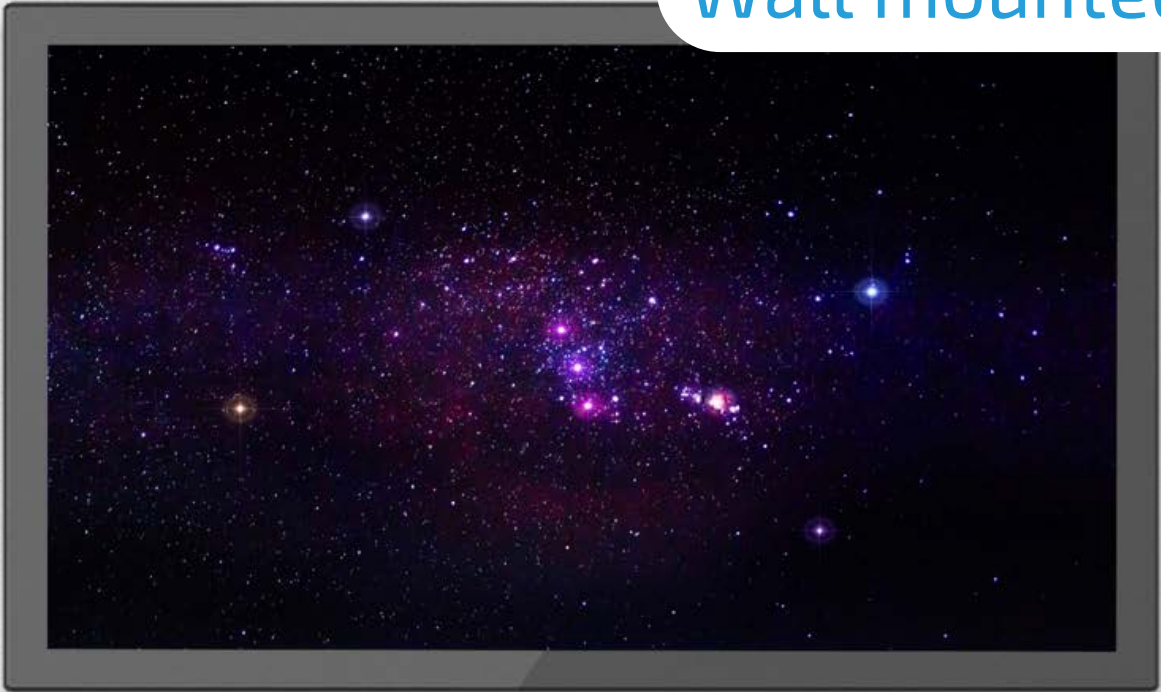
40.6mm

**COMPLETE
SOLUTION
TOGETHER**

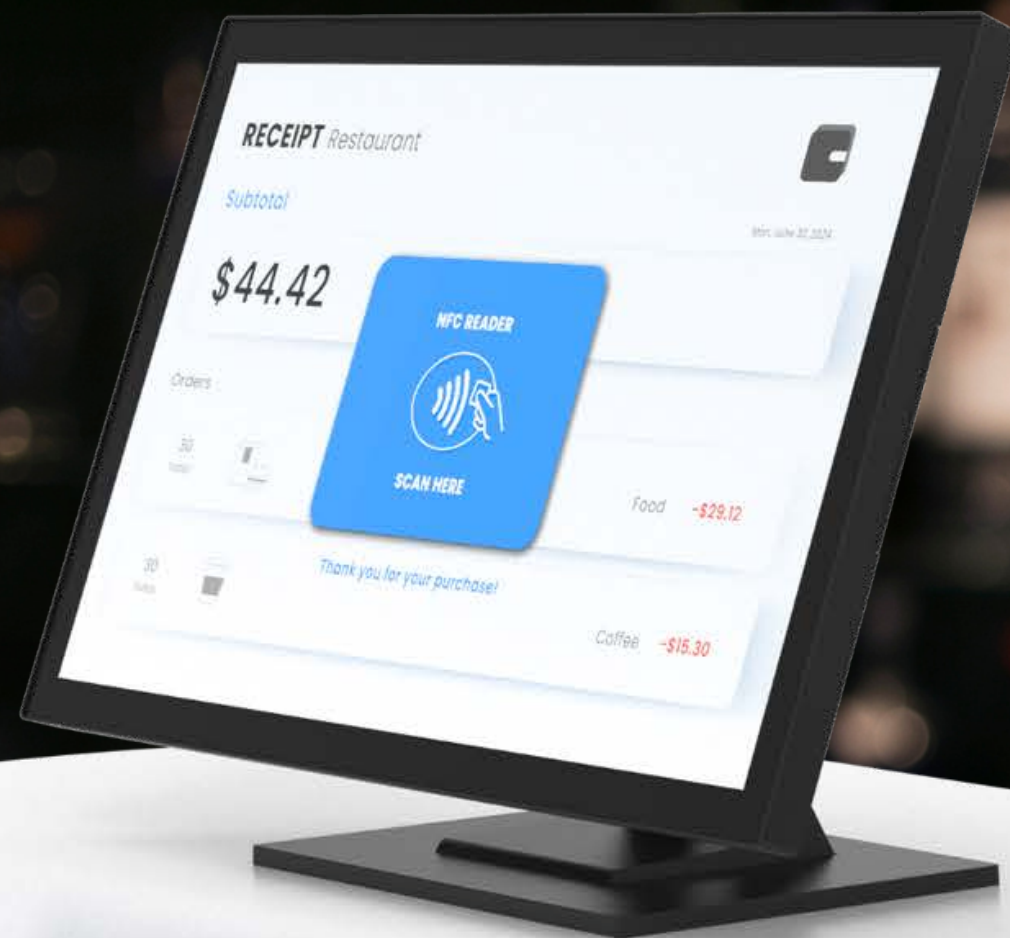




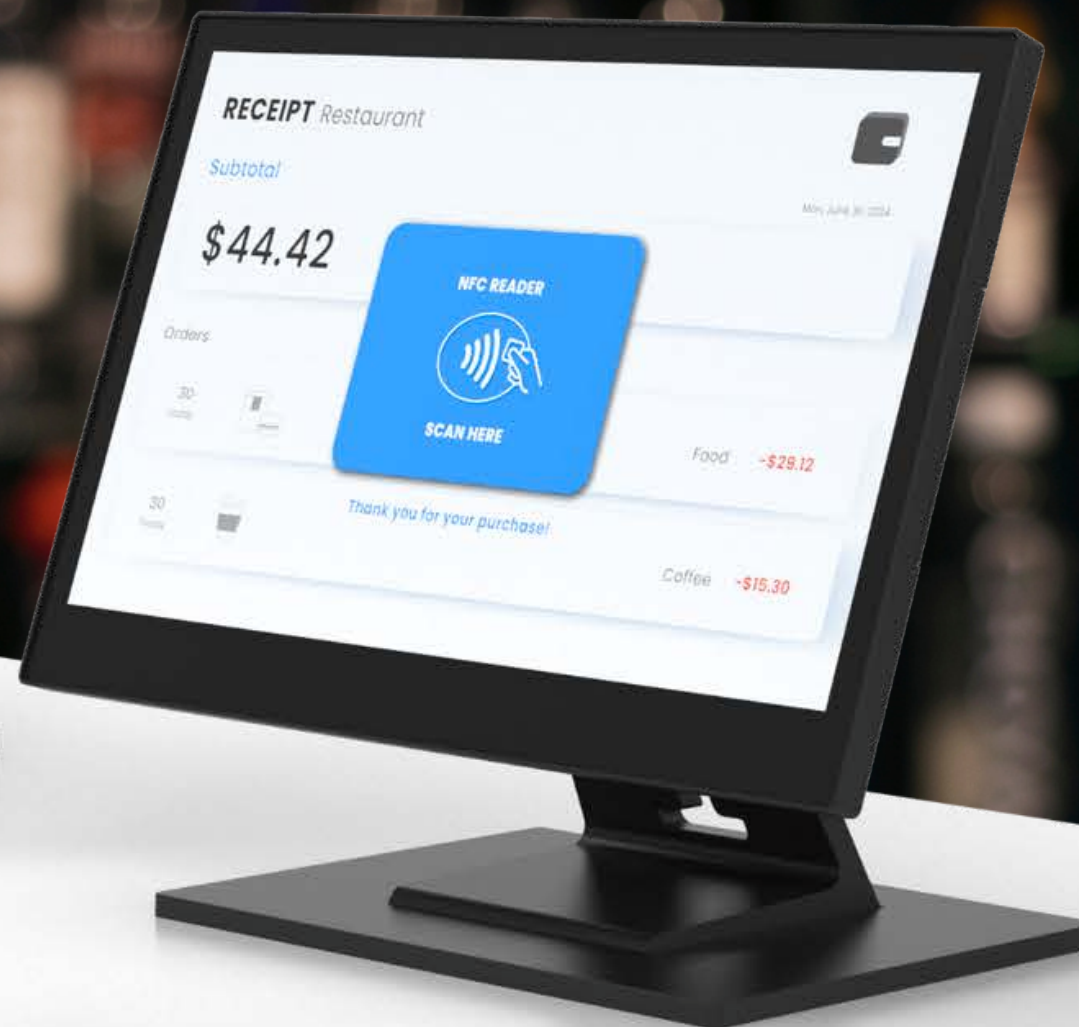
Wall mounted Panel PC



21.5"



15.6"

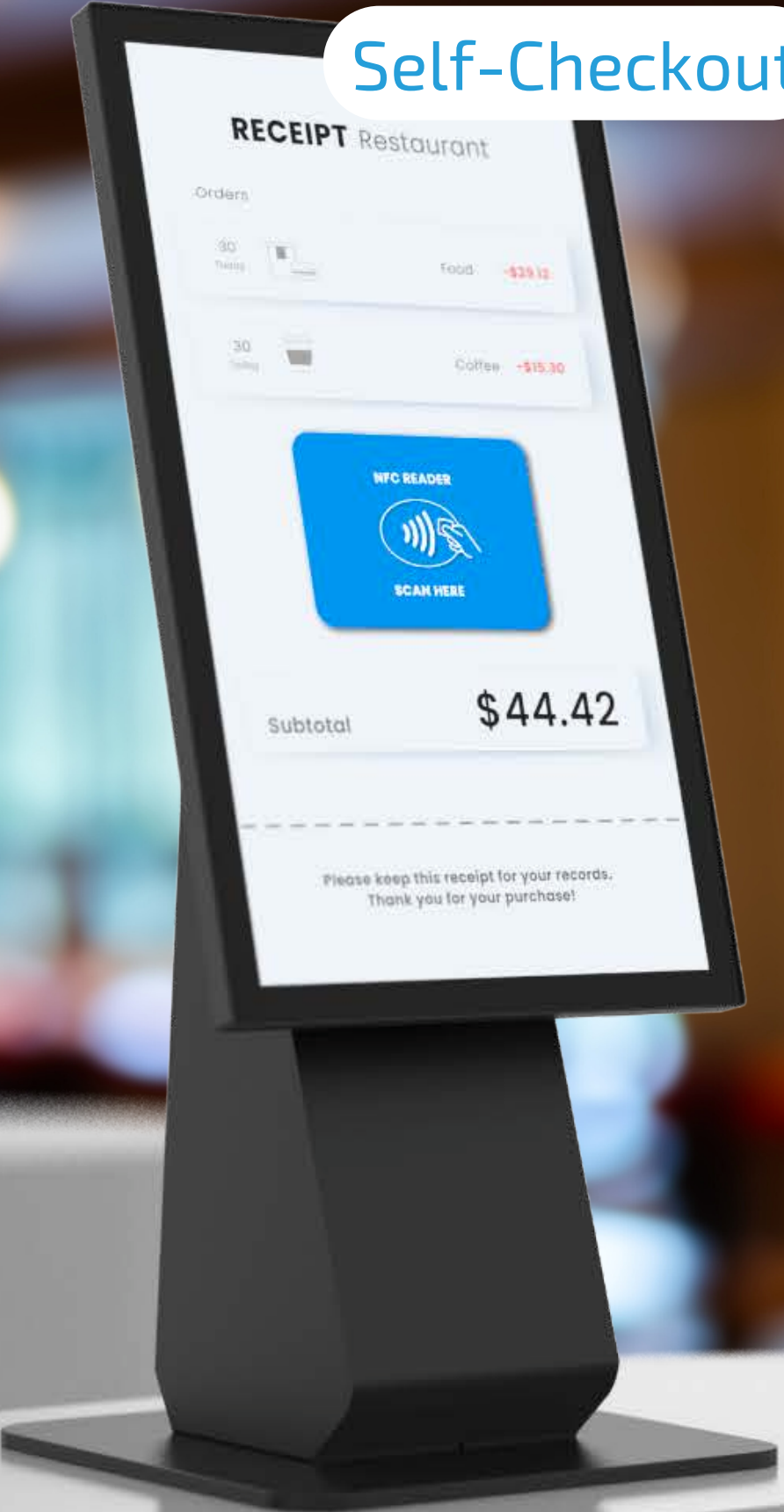


11.6"



Desktop POS Terminal

Self-Checkout



Orion Series

11.6" & 15.6" Second display, mountable behind the stand



Orion Series

Second display mounting options

11.6" & 15.6" Second display, mountable behind the stand



Orion Series

Second display bracket - supports 3 ways of mounting:



1

11.6" only



2

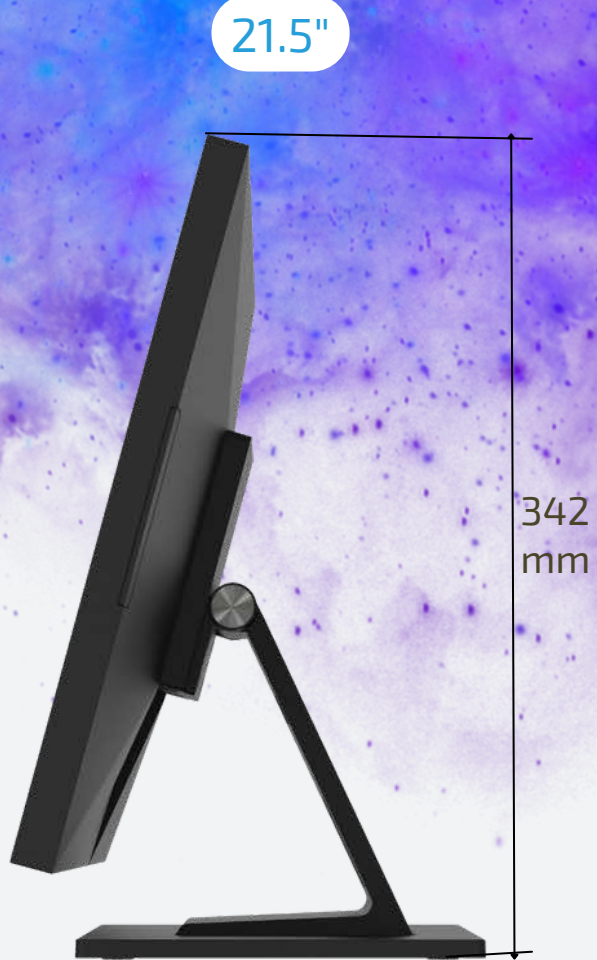
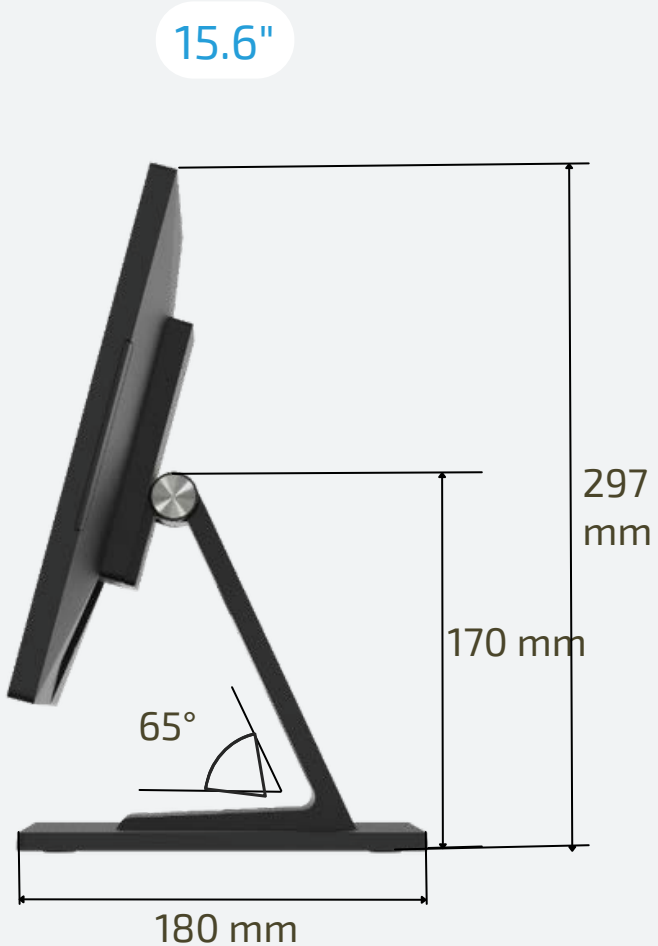
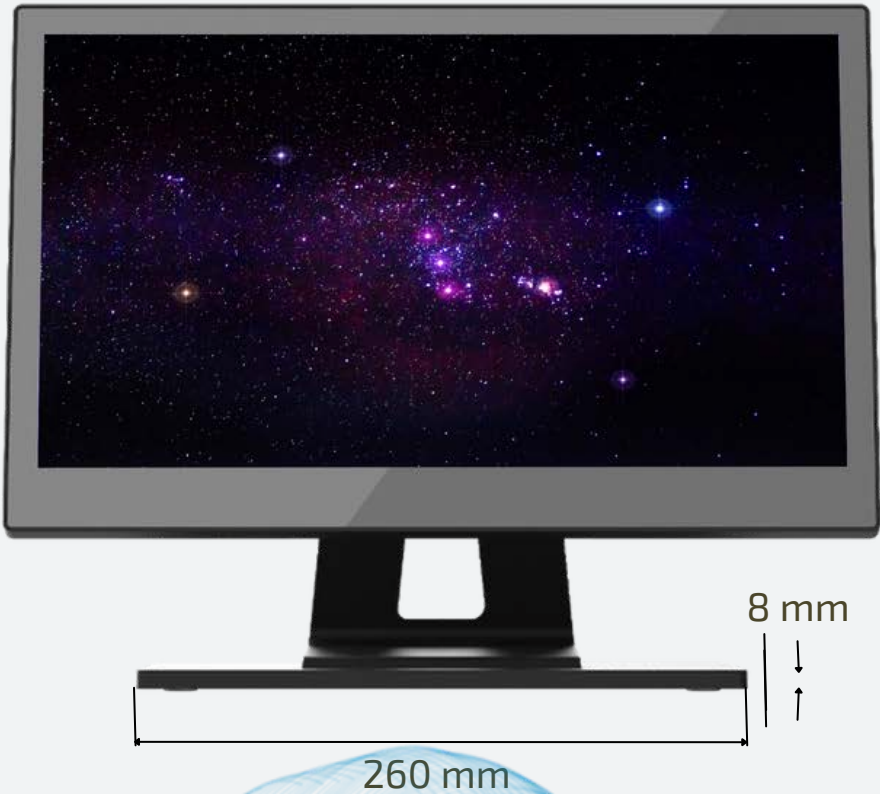
11.6" & 15.6"



3

11.6" only

Dimensions - Stand



SPECIFICATIONS

Display Monitor Module			
Scaler Board (D04)		SKU1 (FeDP)	SKU2 (HDMI / USB-C)
I/O Ports	Power Button	-	1x
	Auto Adjust Button	-	1x
	HDMI	-	1x
	USB Type-C	-	1x USB2.0 support ALT with PD (5V/3A, 12V/1.25A)
	FeDP	1x proprietary miniDP	-
	USB Type-B	-	-
	DC Jack	-	1x 2PIN
Certificate	EMC & Safety	FCC Class A, CE Mark Class A, 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	

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

SPECIFICATIONS

Touch PC Module Android		
System	Motherboard	G17
	Processor	MTK G700 (MT8390)
	Memory	8GB LPDDR4
	Storage	128GB eMMC
Expansion	Storage	1 x microSD Card Slot
I/O Ports	USB Type-A	4x USB2.0
	USB Type-C	1x USB3.0 (DP/ PD 5V/2A, 12V/1A)
	FeDP	1x proprietary miniDP (for 2nd display)
	Serial Port	1x RJ48 (Powered RS232) (default: 0V; support 5V, 12V)
	LAN	1x RJ45
	Cash Drawer	1x RJ11
	DC Jack	1x 2PIN
	Power button	1
	Internal Speaker	1x3W
	Power Adapter	36W / 12V
Audio	WLAN + BT	WiFi 6 + BT5.2
Power	OS	Android 13 (GMS)
Communication	EMC & Safety	FCC Class A, CE Mark Class A, LVD
OS	Operating Temperature	0°C ~ 35°C (32°F ~ 95°F)
Certificate	Storage Temperature	-20°C ~ 60°C (-4°F ~ 140°F)
Environment	Humidity	20% ~ 85% RH non-condensing

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SPECIFICATIONS

Touch PC Module Windows		
System	Motherboard	F37
	Processor	Intel® J6412
	Memory	8GB DDR4
	Storage	128GB eMMC
Expansion	Storage	1 x microSD Card Slot
I/O Ports	USB Type-A	2 x USB3.0, 2x USB2.0
	USB Type-C	1 x USB3.0 (Data only 5V/2A)
	FeDP	1x proprietary miniDP (for 2nd display)
	Serial Port	1x RJ48 (Powered RS232) (default: 0V; support 5V, 12V)
	LAN	1x RJ45
	Cash Drawer	1x RJ11
	DC Jack	1x 2PIN
	Power button	1
	Internal Speaker	1x3W
	Power Adapter	36W / 12V
Audio		
Power		
Communication	WLAN + BT (Optional)	WiFi 6 + BT5.2 (Optional)
OS	OS	Windows 11 IoT Enterprise
Certificate	EMC & Safety	FCC Class A, CE Mark Class A, 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

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SPECIFICATIONS

11.6'			
System	(Display Monitor Module) / (Touch PC Module)		
I/O Ports			
Display	Size and Resolution	11.6" 1366x768	
	Touch Screen	True-Flat PCAP multi-touch	
Audio	Speaker	1x 3W (Option)	
Power	Power Supply	36W / 12V	
Mounting	VESA Mount	75 x 75	
Communication	WLAN + BT	IEEE 802.11ax + BT5.2 (Option)	
Peripheral (option)	MSR	3-Track MSR (USB)	
	Fingerprint	Fingerprint Reader (USB)	
	RFID	RFID Reader (USB)	
	Scanner	2D Scanner (USB)	
Camera	USB Camera	1x 2MP Fixed Focus	
Certificate	EMC & Safety	FCC Class A, CE Mark Class A, 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	

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SPECIFICATIONS

15.6'		
System	(Display Monitor Module) / (Touch PC Module)	
I/O Ports		
Display	Size and Resolution	15.6" 1920 x 1080
	Touch Screen	True-Flat PCAP multi-touch
Audio	Speaker	1x 3W (Option)
Power	Power Supply	36W / 12V
Mounting	VESA Mount	75 x 75
Communication	WLAN + BT	IEEE 802.11ax + BT5.2 (Option)
Peripheral (option)	MSR	3-Track MSR (USB)
	Fingerprint	Fingerprint Reader (USB)
	RFID	RFID Reader (USB)
	Scanner	2D Scanner (USB)
Certificate	EMC & Safety	FCC Class A, CE Mark Class A, 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

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SPECIFICATIONS

21.5'		
System	(Display Monitor Module) / (Touch PC Module)	
I/O Ports		
Display	Size and Resolution	21.5" 1920 x 1080
	Touch Screen	True-Flat PCAP multi-touch
Audio	Speaker	1x 3W (Option)
Power	Power Supply	36W / 12V
Mounting	VESA Mount	75 x 75
Communication	WLAN + BT	IEEE 802.11ax + BT5.2 (Option)
Peripheral (option)	MSR	3-Track MSR (USB)
	Fingerprint	Fingerprint Reader (USB)
	RFID	RFID Reader (USB)
	Scanner	2D Scanner (USB)
Certificate	EMC & Safety	FCC Class A, CE Mark Class A, 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

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DESIGN - QUALITY - PURPOSE

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