

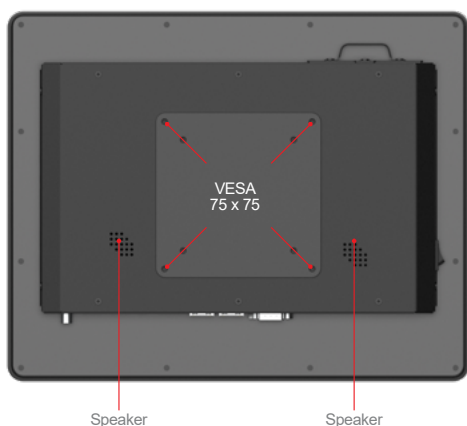
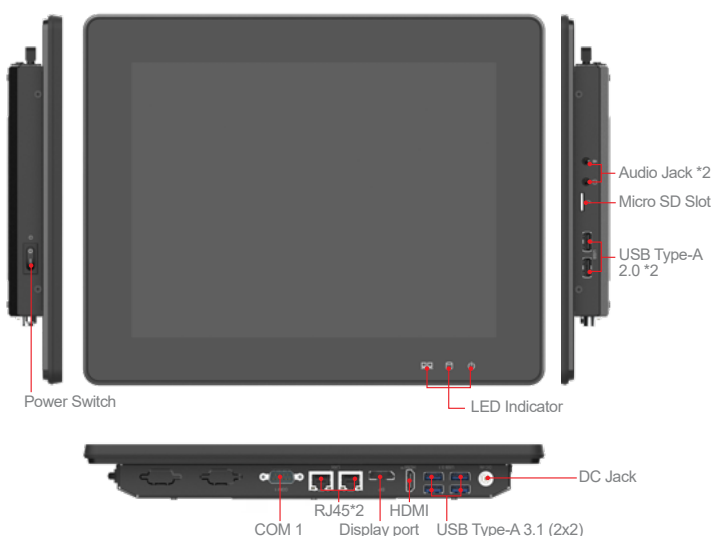
MS-1A22

12.1" Front IP65 Fanless HMI Panel PC with Intel® Alder Lake N Series

NEW

Specifications

Display	LCD Size	12.1"
	Resolution	1024 x 768
	Brightness (cd/m2)	500
	Contrast Ratio	700
	Support Colors	16.7M
	Pixel Pitch (H/Vmm)	0.24 x 0.24
	Viewing Angle	80/80/70/70
Touch Panel		Projective Capacitive 5-Wire Resistive
System Processor	CPU	Intel® Alder Lake N Series Intel® processor N97 2.0GHz , QC , 12W Intel® Atom X7425E 1.5GHz , QC, 12W Intel® Core i3-N305 1.8GHz , 8C, 15W
	Frequency	3.2 up to 3.80 GHz
	L2 Cache	6MB
	Chipset	SoC
Memory	Technology	Single-channel DDR5 MHz
	Max. Capacity	Up to 16GB
	Socket	So-DIMM Slot (262-Pin)
Graphic	Display Interface	HDMI up to 3840 x 2160 DP up to 4096 x 2160
Ethernet	Controller	2 x Intel® I226V Co-Lay Intel® I226LM PCIe 2.5GbE LAN
Expansion Slot	Mini-PCIe	N/A
	M.2	1 M.2 E key (reserved for WiFi)
Storage	SATA	1 x 2.5" HDD (Option)
	M.2	1 x M.2 B key (reserved for storage)
	mSATA	N/A
	CFast	N/A
	CompactFlash	N/A
I/O Interface	RJ-45	2
	Audio	1 x Line-out 1 x MIC-in
	USB	2 x Dual Stacked Type-A USB 3.1 2 x USB 2.0
	Serial	3 x COM (1 x edge I/O, 2 x internal) COM1~2: RS-232/422/485, 0V/5V/12V COM3: RS-232, 0V/5V/12V (COM2~3 Option with cable)
	Parallel	N/A
	PS/2	N/A
	HDMI	1
	DVI	N/A
	DisplayPort	1
	Antenna	Inside
Power Supply	DC Input	DC-in 12~24V
	IP Rating	Front IP65 / Rear 41
Environment	Operating Temperature	0°C ~ 40°C
	Operating Humidity	20%~90% RH
	Storage Temperature	-20°C ~ 60°C
	Storage Humidity	10% ~ 90% non-condensing
Physical haracteristics	Housing	Plastic / Metal
	Dimensions (L x W x D)	251 x 313 x 13.45 mm
	Weight	2.3kg (5.07lbs)
	Mounting	VESA 75 x 75, 100 x 100 mm (Optional)
Certification	EMC	FCC, CE, BSMI, VCCI
	Safety	PSE
Software Platform	OS Support	Windows 10 IoT Enterprise LTSC 2021 Windows 11 IoT Enterprise 2022 Windows 11 IoT Enterprise LTSC 2024



Features

- Intel® Alder Lake N CPU
- Panel Size: 12.1"
- Fully Flat Panel / Fanless & Ultra Slim Design
- Capacitive / Resistive Type Touch
- IP65 Front Panel and IP41 for Rear
- Backup Battery for 60 mins at idle state (Option)
- Rich I/O
- Dual Storage: HDD+SSD (Optional)
- Intel® WLAN Support



Stand (Optional)



Vesa Mount (Optional)