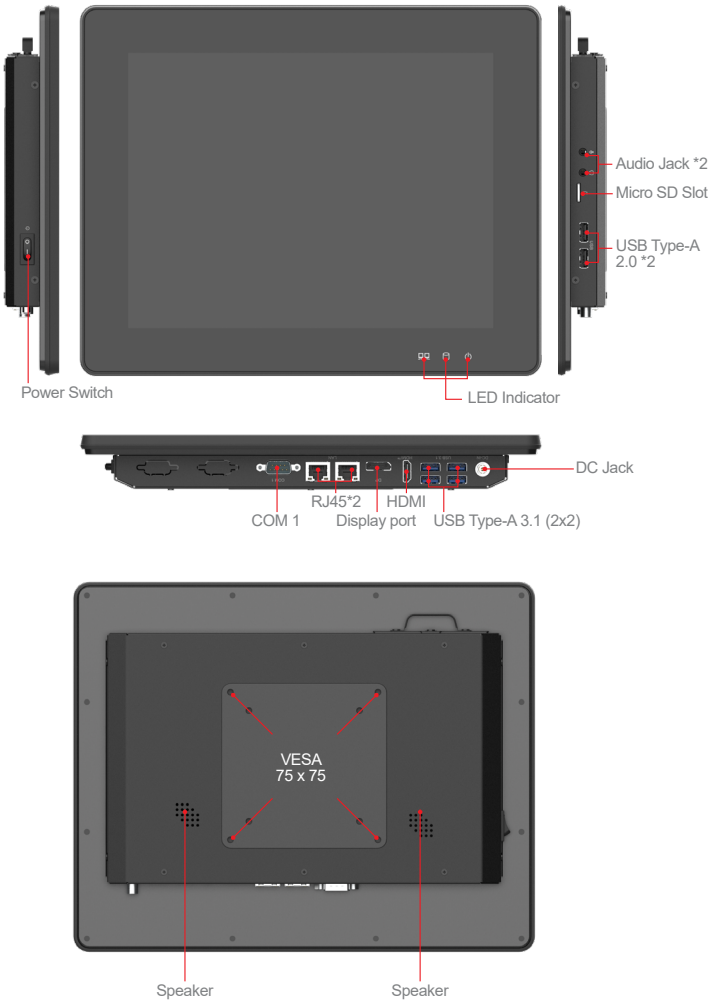


MS-1A22

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

NEW



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)

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® I225V Co-Lay Intel® I225LM 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
	VGA	N/A
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
	Housing	Plastic / Metal
Physical characteristics	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