

MTA-1021W

21.5" Fanless Multi-Touch Computer with NXP i.MX8M Plus Arm Quad Cortex-A53 Processor



Features

- Industrial-grade NXP i.MX 8M Plus with Quad Cortex-A53
- 10-point projected capacitive multi-touch screen
- 2.3 TOPS AI, Ubuntu 22.04 Support
- 2 GigE LAN with 1 TSN supported
- 2 SIM sockets for multiple WiFi/BT/5G/4G/LTE/GPRS/UMTS
- 9V to 55V wide range DC Power Input
- 1 4K60 Digital Display, Audio Mic-in & Line-out
- Optional 2 CAN-FD and 4 GPIO expansion
- Fanless -20°C to 60°C operation



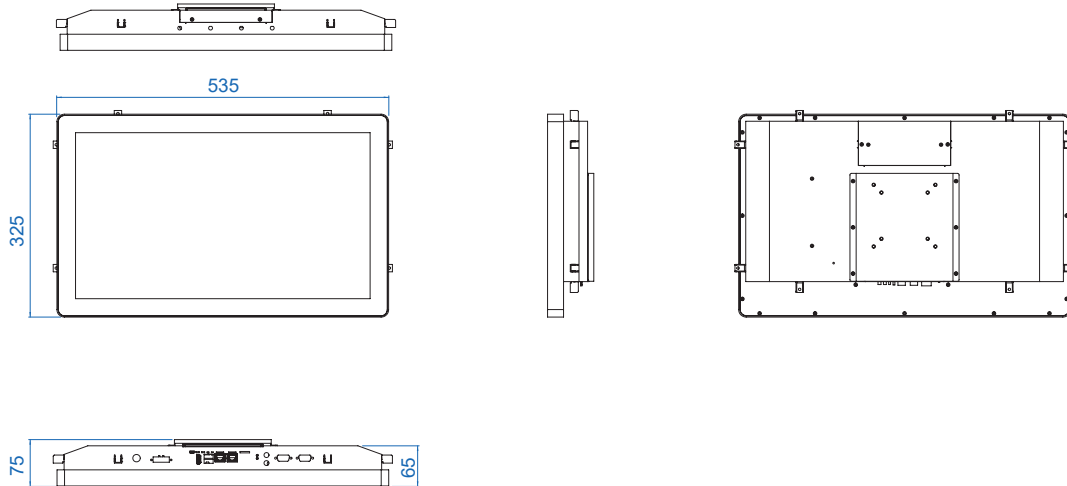
Specifications

Panel	
Panel type	WSVGA TFT LED LCD
Size	21.5"
Resolution	1920 x 1080
Display Color	16.7M
Brightness (cd/m ²)	250
View Angle (H/V)	476.064(H) x 267.786(V)
Contrast Ratio	1000:1
System	
Processor	NXP i.MX 8M Plus Arm® Quad Cortex®-A53 processor
Memory	1 LPDDR4 SDRAM, 4GB
OS	Ubuntu 22.04 LTS
Ethernet	
LAN 1	10/100/1000 Base-T Ethernet GigE LAN, RJ45 connector
LAN 2	10/100/1000 Base-T Ethernet GigE LAN, RJ45 Connector
I/O Interface	
USB	2 USB 3.0, 1 Micro USB (for debug)
LAN	2 GigE RJ45
Display	1 Digital Display
SIM	2 Nano SIM Card Socket
SD	1 Micro SD, supports SDHC (External)
Power Interface	3-pin Terminal Block : V+, V-, Frame Ground
Audio	2 Audio Jack (Mic-in/Line-out, by cable)
Serial	2 COM RS-232/422/485 (DB9 connector, by cable)
Antenna	6 Antenna hole
Button	1 HW Reset Button, 1 User define Button
LED	4 LED for Power, Ready, WLAN x2

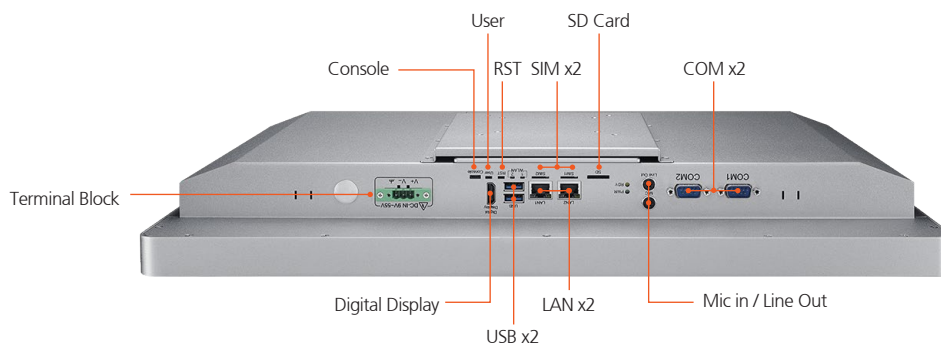
Expansion	
M.2	1 M.2 Key B Socket (3042/3052 shared PCIe, USB3.0)
Mini-PCIe	1 Full-size Mini-PCIe Socket (shared PCIe, USB2.0)
Storage	
eMMC	1 eMMC Flash, 32GB
SD	1 supports SDHC/SDXC, up to 128GB (External)
Power	
Power Input	9V to 55V DC-IN
Power Interface	3-pin Terminal Block : V+, V-, Frame Ground
Mechanical	
Dimensions	535 mm x 325 mm x 75 mm (21" x 13" x 3")
Weight	6.25 kg (13.77 lbs)
Mounting	<ul style="list-style-type: none"> ▪ Panel Mount ▪ VESA Mount (Optional)
Environment	
Operating Temperature	-25°C to 60°C (-13°F to 158°F)
Storage Temperature	-40°C to 85°C (-40°F to 185°F)
Humidity	5% to 95% Humidity, non-condensing
Relative Humidity	95% @70°C
Shock	IEC 60068-2-27
Vibration	IEC 60068-2-64
EMC	CE, FCC

Dimensions

Unit : mm/ inch



Bottom I/O



Order Information

MTA-1021W	MTA-1021W,NXP i.MX 8M Plus with Quad Cortex-A53, 2 GigE LAN, 2 USB 3.0,dual nano SIM, DC 9V to 55V
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Accessories

VESA Mount	VESA Mount Kit
5G Module	5G Module with Antenna
4G Module	4G/GPS Module with Antenna
Wi-Fi & Bluetooth	Wi-Fi & Bluetooth Module with Antenna