

MTC-9021W

21.5" FHD Fanless Multi-Touch Computer with 11th Gen Intel® Core™ i7/i5/i3 Processor (Tiger Lake UP3), 1 GigE LAN, 1 2.5 GigE LAN, 2 10G USB 3.1, 2 COM, 1 SIM Socket, 9V to 55V DC



Features

- 21.5" 1920 x 1080 (16:9) Full HD TFT LED LCD
- 10-point Projected Capacitive Multi-touch Screen
- 11th Generation Intel® Core™ i7/i5/i3 U-series Processor (Tiger Lake UP3)
- Fanless design supports -5°C to 55°C operating temperature
- 2-port 10G USB 3.1 Gen 2
- Easy-access External SSD/HDD Kit
- DC 9V to 55V wide range power input
- Supports Panel Mount and VESA Mount (75 x 75, 100 x 100)
- IP65 Front Panel Protection
- M.2 Key E for WiFi
- M.2 Key B for 5G/4G/3G/LTE/GPRS/UMTS/Storage



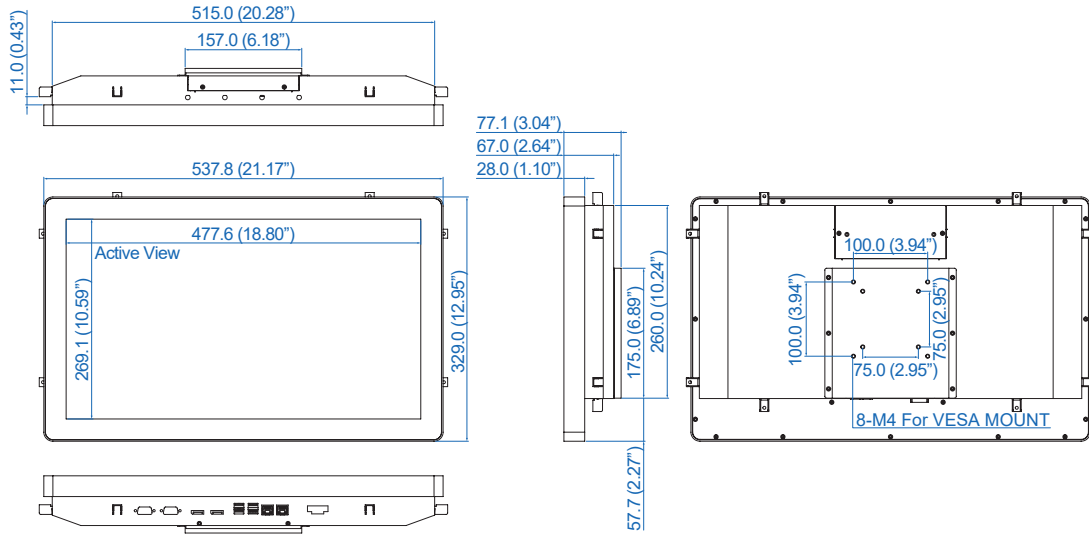
Specifications

Panel	
Panel Type	Full HD TFT LED LCD
Size	21.5"
Max. Resolution	1920 x 1080
Display Color	16.7M
Brightness (cd/m²)	250
View Angle (H/V)	178/178
Contrast Ratio	3000 :1
Touch Screen	
Touch Screen Type	10-point Projected Capacitive
Transparency	≥ 91%
Surface Hardness	7H Surface Hardness
Control Interface	USB Type
System	
Processor	Quad Core Intel® Core™ i7/i5/i3 U-series Processor (Tiger Lake UP3)
Chipset	Intel® SoC (Tiger Lake UP3)
Memory	1 DDR4 3200MHz SO-DIMM, up to 32GB
Graphics Processor	Intel® Iris® Xe Graphics
I/O Interface	
Serial	2 COM RS-232/422/485 (ESD 8kV, DB9 Type)
USB	<ul style="list-style-type: none"> ▪ 2 USB 3.1 ▪ 2 USB 2.0
LED	Power, HDD, WWAN, WLAN
SIM Card	1 Internal Nano SIM Card Socket
Display	2 DisplayPort : Up to 4096 x 2304 @60Hz
Expansion	
M.2	<ul style="list-style-type: none"> ▪ 1 M.2 Key B Socket (3042/3052) ▪ 1 M.2 Key E Socket (2230)
Storage	
SATA	1 SATA III (6Gbps)
M.2	1 M.2 Key B Socket (2260)
Storage Device	1 2.5" SSD/HDD Kit

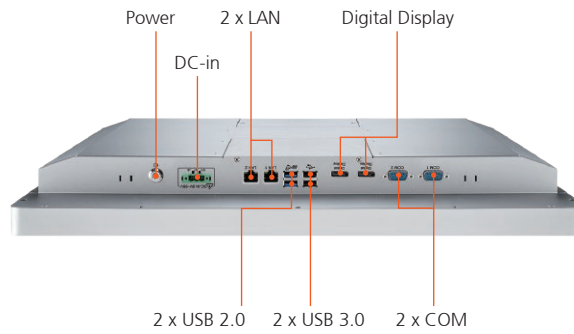
Ethernet	
LAN 1	Intel® I219LM GigE LAN supports iAMT 14.0, RJ45 Type
LAN 2	Intel® I226 supports 2.5 GigE LAN
Power	
Power Input	9V to 55V, DC-in
Power Interface	3-pin Terminal Block : V+, V-, Frame Ground
Others	
TPM	Infineon SLB9670 supports TPM 2.0, SPI Interface
Watchdog Timer	Reset : 1 to 255 sec./min. per step
Smart Management	Wake on LAN, PXE supported
Software Support	
OS	Windows 10, Linux
Mechanical	
Dimensions (W x H x D)	537.8mm x 329.0mm x 77.1mm (21.17" x 12.95" x 3.04")
Weight	6.35 kg (13.99 lb)
Mounting	<ul style="list-style-type: none"> ▪ Panel Mount ▪ VESA Mount (75 x 75, 100 x 100)
Environment	
Operating Temperature	-5°C to 55°C (-23°F to 131°F)
Storage Temperature	-20°C to 60°C (-4°F to 140°F)
Humidity	5% to 95% Humidity, Non-condensing
Relative Humidity	95% @55°C
Shock	IEC 60068-2-27 <ul style="list-style-type: none"> ▪ 20G, Half-sine, 11ms
Vibration	IEC 60068-2-64 <ul style="list-style-type: none"> ▪ Non-operation : 10Hz to 200Hz, 1Grms, X, Y, Z, 30 mins each Axis
EMC	CE, FCC

Dimensions

Unit : mm/ inch



Bottom I/O



Order Information

MTC-9021W-1185G7E	MTC-9021W, Intel® Core™ i7-1185G7E CPU, 1 GigE LAN, 1 2.5G LAN, 4 USB, 2 COM, DC 9V to 55V
MTC-9021W-1145G7E	MTC-9021W, Intel® Core™ i7-1145G7E CPU, 1 GigE LAN, 1 2.5G LAN, 4 USB, 2 COM, DC 9V to 55V

Accessories

DDR4 32G	Certified DDR4 32GB 3200MHz RAM
DDR4 16G	Certified DDR4 16GB 3200 MHz RAM
DDR4 8G	Certified DDR4 8GB 3200 MHz RAM
DDR4 4G	Certified DDR4 4GB 3200 MHz RAM
PWA-120W	120W, 24V, 90V AC to 264V AC Power Adapter with 3-pin Terminal Block
PWA-160W-WT	160W, 24V, 85V AC to 264V AC Power Adaptor with 3-pin Terminal Block, Wide Temperature -30°C to +70°C
5G Module	5G Module with Antenna
4G Module	4G/GPS Module with Antenna
WiFi & Bluetooth	WiFi & Bluetooth Module with Antenna