

MTC-7021W

21.5" FHD Fanless Multi-Touch Computer with Intel® Core™ i7/i5/i3 Processor (Whiskey Lake), 2 GigE LAN, 4 10G USB 3.1, 2 COM, DC 9V to 48V



Features

- 21.5" 1920 x 1080 (16:9) FullHD TFT LED LCD
- 10-point Projected Capacitive Multi-touch Screen
- 8th Generation Intel® Core™ i7/i5/i3 U-series Processor (Whiskey Lake)
- Fanless design supports -5°C to 55°C operating temperature
- 4-port 10G USB 3.1 Gen 2
- Easy-access external SSD/HDD Kit
- DC 9V to 48V wide range power input
- Supports Panel Mount and VESA Mount (75 x 75, 100 x 100)
- IP65 Front Panel Protection
- 2 Mini PCIe for WiFi/4G/3G/LTE/GPRS/UMTS



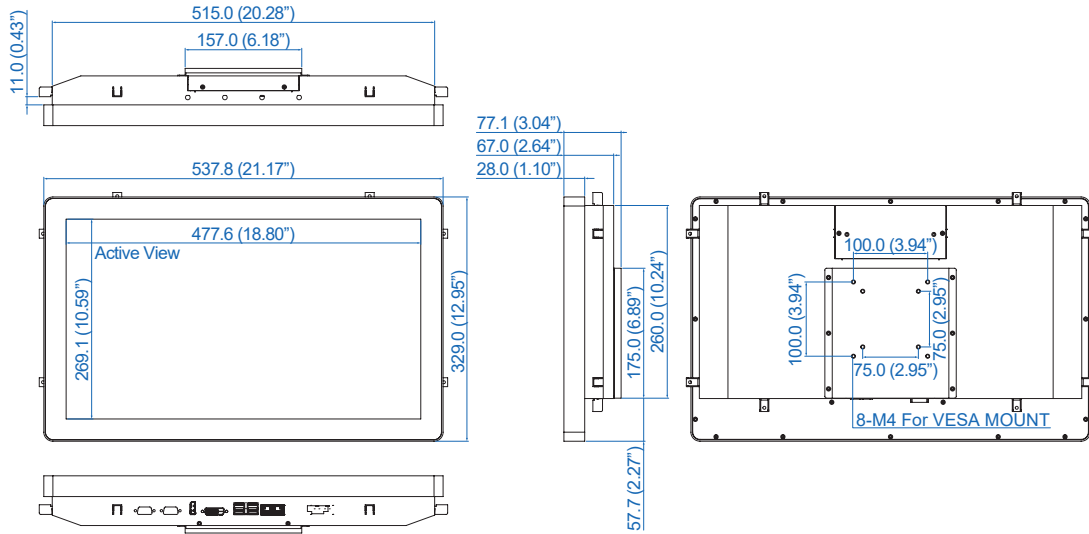
Specifications

Panel	
Panel Type	Full HD TFT LED LCD
Size	21.5"
Max. Resolution	1920 x 1080
Display Color	16.7M
Brightness (cd/m ²)	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 (Whiskey Lake)
Chipset	Intel® Cannon Lake PCH-LP
Memory	1 DDR4 2400MHz SO-DIMM, up to 32GB
Graphics Processor	Intel® UHD Graphics 620
I/O Interface	
Serial	2 RS-232/422/485 (ESD 8kV, DB9 Type)
USB	4 USB 3.1 Gen2, Type A
LED	Power, HDD
Display	<ul style="list-style-type: none"> ▪ DVI-D : Up to 1920 x 1200 @60Hz ▪ DisplayPort : Up to 4096 x 2304 @60Hz
Expansion	
Mini PCIe	2 Mini PCIe Socket : <ul style="list-style-type: none"> ▪ 1 Full-size for PCIe/USB/SIM Socket ▪ 1 Full-size for PCIe/USB/SATA
Storage	
SATA	1 SATA III (6Gbps)
mSATA	1 SATA II (Full Size Mini PCIe, 6Gbps)
Storage Device	1 2.5" SSD/HDD Kit

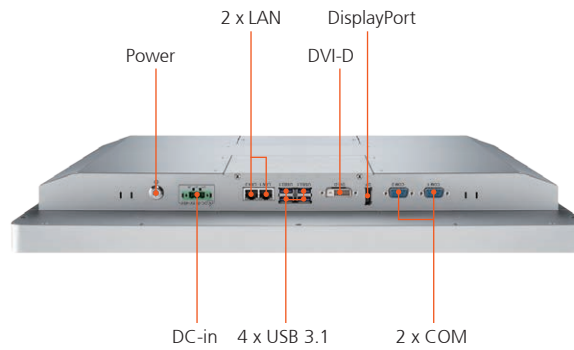
Ethernet	
LAN 1	Intel® I219LM GigE LAN supports iAMT 12.0, RJ45 Type
LAN 2	Intel® I210 GigE LAN, RJ45 Type
Power	
Power Input	9V to 48V DC-in
Power Interface	3-pin Terminal Block (V+/V-/GND)
Others	
TPM	Optional Infineon SLB9665 supports TPM 2.0, LPC Interface
Watchdog Timer	Reset : 1 to 255 sec./min. 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	TBD
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-7021W-8665UE	MTC-7021W, Intel® Core™ i7-8665UE CPU, 2 GigE LAN, 4 USB, 2 COM, DC 9V to 48V
MTC-7021W-8365UE	MTC-7021W, Intel® Core™ i5-8365UE CPU, 2 GigE LAN, 4 USB, 2 COM, DC 9V to 48V
MTC-7021W-8145UE	MTC-7021W, Intel® Core™ i3-8145UE CPU, 2 GigE LAN, 4 USB, 2 COM, DC 9V to 48V
MTC-7021W-4305UE	MTC-7021W, Intel® Celeron® 4305UE CPU, 2 GigE LAN, 4 USB, 2 COM, DC 9V to 48V

Accessories

DDR4 32G	Certified DDR4 32GB 2666MHz RAM
DDR4 16G	Certified DDR4 16GB 2666/2400/2133 MHz RAM
DDR4 8G	Certified DDR4 8GB 2666/2400/2133 MHz RAM
DDR4 4G	Certified DDR4 4GB 2666/2400/2133 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
4G Module	Mini PCIe 4G/GPS Module with Antenna
WiFi & Bluetooth	WiFi & Bluetooth Module with Antenna