

## Application Scenarios



## Order Information

Part No.	CPU	LAN	PoE*	PD	USB 3.0	DIO
MTC-6021-PoER -7600U/600U/300U/955U	Intel® Core™ i7-7600U/i7-6600U/ i5-6300U/Celeron® 3955U	6	4	-	5	16 Isolated DIO
MTC-6021-PDR -600U/300U/955U	Intel® Core™ i7-6600U/ i5-6300U/Celeron® 3955U	2	-	2	5	16 GPIO
MTC-6021-2R -600U/300U/955U	Intel® Core™ i7-6600U/ i5-6300U/Celeron® 3955U	2	-	-	5	16 GPIO
MTC-6019-PoER -7600U/600U/300U/955U	Intel® Core™ i7-7600U/i7-6600U/ i5-6300U/Celeron® 3955U	6	4	-	5	16 Isolated DIO
MTC-6019-PDR -600U/300U/955U	Intel® Core™ i7-6600U/ i5-6300U/Celeron® 3955U	2	-	2	5	16 GPIO
MTC-6019-2R -600U/300U/955U	Intel® Core™ i7-6600U/ i5-6300U/Celeron® 3955U	2	-	-	5	16 GPIO
MTC-6017-PoER -7600U/600U/300U/955U	Intel® Core™ i7-7600U/i7-6600U/ i5-6300U/Celeron® 3955U	6	4	-	5	16 Isolated DIO
MTC-6017-PDR -600U/300U/955U	Intel® Core™ i7-6600U/ i5-6300U/Celeron® 3955U	2	-	2	5	16 GPIO
MTC-6017-2R -600U/300U/955U	Intel® Core™ i7-6600U/ i5-6300U/Celeron® 3955U	2	-	-	5	16 GPIO
MTC-6015-PoER -7600U/600U/300U/955U	Intel® Core™ i7-7600U/i7-6600U/ i5-6300U/Celeron® 3955U	6	4	-	5	16 Isolated DIO
MTC-6015-PDR -600U/300U/955U	Intel® Core™ i7-6600U/ i5-6300U/Celeron® 3955U	2	-	2	5	16 GPIO
MTC-6015-2R -600U/300U/955U	Intel® Core™ i7-6600U/ i5-6300U/Celeron® 3955U	2	-	-	5	16 GPIO

MTC-6000-20221103

\* All product information may subject to change without prior notice.

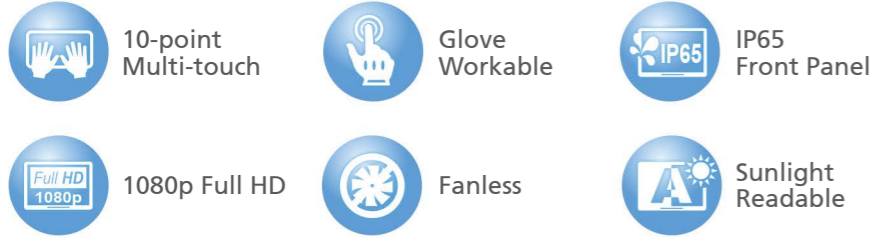
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# MTC-6000 Series Fanless Multi-Touch Computers

- ✓ 21.5"/19"/17"/15" Panel PC
- ✓ Innovative Power Management
- ✓ Leading Performance
- ✓ Industrial-grade Reliability
- ✓ One-stop Solution

**PD**  
Powered Device

# Key Features



Flexible customized display size : 7" to 55"



# Specifications

Model Name	MTC-6021	MTC-6019	MTC-6017	MTC-6015
<b>Panel</b>				
Panel Type	TFT LCD	TFT LCD	TFT LCD	TFT LCD
Active Area	21.5" (16 : 9)	19" (4 : 3)	17" (4 : 3)	15" (4 : 3)
Max. Resolution	1920 x 1080 (Full HD)	1280 x 1024	1280 x 1024	1024 x 768
Display Color	16.7M (RGB 8-bit)	16.7M (RGB 8-bit)	16.7M (RGB 8-bit)	16.7M (RGB 8-bit)
Backlight	LED Backlight	LED Backlight	LED Backlight	LED Backlight
Brightness (cd/m <sup>2</sup> )	250 (Optional, Up to 1200)	250	250	250
Viewing Angle	89/89/89/89 (H/V)	85/85/80/80 (H/V)	85/85/80/80 (H/V)	80/80/70/70 (H/V)
Contrast Ratio	3000 : 1	1000 : 1	1000 : 1	600 : 1
<b>Touch Screen</b>				
Touch Screen Type	10-point Projected Capacitive	10-point Projected Capacitive	10-point Projected Capacitive	10-point Projected Capacitive
Transparency	≥ 85%	≥ 91%	≥ 91%	≥ 91%
Surface Hardness	7H Surface Hardness	7H Surface Hardness	7H Surface Hardness	7H Surface Hardness
Control Interface	USB Interface	USB Interface	USB Interface	USB Interface
<b>Mechanical</b>				
Dimensions (W x H x L)	538.4 x 329.4 x 115.2mm(21.20"x12.97"x4.53")	425.5 x 350.5 x 115.2 mm(16.75" x 13.80" x 4.53")	392.4 x 324.7 x 115.2mm(15.45" x 12.78" x 4.53")	360.9 x 277.8 x 115.2mm(14.21" x 10.94" x 4.53")
Weight	9.2 kg (20.26 lb)	9.2 kg (20.26 lb)	8.6 kg (18.95 lb)	7.5 kg (16.53 lb)
<b>System</b>				
Processor	Intel® Core™ i7/i5/i3 U-series Processor (Kaby Lake-U/Skylake-U)			
Chipset	Intel® SoC			
Memory	2 DDR4 2400/2133 MHz SO-DIMM, up to 64GB			
Graphics	Intel® HD Graphics 520			
Ethernet	- Intel® I219 Gigabit LAN - Intel® I210 Gigabit LAN			
Audio	Realtek ALC892, 5.1 Channel HD Audio			
OS Support	Windows 10, Windows 8.1, Windows 7, Linux			
<b>I/O Interface</b>				
Serial	4 COM RS-232/422/485			
USB	5 USB 3.0			
DIO	16 Isolated DIO : 8 DI, 8 DO			
LAN	- PoER : 6 GigE LAN with 4 IEEE 802.3at PoE+ - PDR : 2 GigE LAN support IEEE 802.3at Powered Device (PD) - 2R : 2 GigE LAN			
Audio	1 Mic-in, 1 Line-out			
Display	- DVI-D : Up to 1920 x 1200 @ 60Hz - DisplayPort : Up to 4096 x 2304 @ 60Hz			
LED	Power, HDD, Wireless, PoE, PD			
CFast	1 CFast Socket, Push-in/Push-out Ejector			
SIM Card	2 SIM Card Socket			
<b>Storage</b>				
SATA	2 SATA III (6Gbps)			
mSATA	1 SATA III (Mini PCIe Type, 6Gbps)			
Storage Device	- 1 External CFast Socket - 2 2.5"SSD/HDD Tray			
<b>Power</b>				
Power Input	6V to 36V, DC-in			
Power Interface	- 3-pin Terminal Block : V+, V-, Frame Ground - Mini-DIN 4-pin			
Power Adapter	AC to DC 120W Power Adapter (Optional)			
Ignition Control	16 Mode (Internal)			
Remote Switch	3-pin Terminal Block : On, Off, IGN			
Surge Protection	Up to 80V/1ms Transient Power			
<b>Others</b>				
Front Panel Protection	IP65 Compliant			
Mounting	- VESA Mount (75 x 75mm, 100 x 100mm) - Panel Mount			
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			
HW Monitor	Monitoring temperature, voltages. Auto throttling control when CPU overheats.			
<b>Environment</b>				
Operating Temp.	0°C to 50°C (32°F to 122°F)			
Storage Temp.	-20°C to 60°C (-4°F to 140°F)			
Humidity	10% to 90% Humidity, non-condensing			
Relative Humidity	95% @ 50°C			
Shock	- IEC 60068-2-27 - 20G, Half-sine, 11ms			
Vibration	- IEC 60068-2-64 - Non-operation : 10Hz to 200Hz, 1.5Grms, X, Y, Z, 30 mins each Axis			
EMC	CE, FCC			

