

DATENBLATT

MTC-6000-Serie

HABEN SIE FRAGEN ODER WÜNSCHEN SIE EIN INDIVIDUELLES ANGEBOT?

Unser Team berät Sie gerne persönlich.

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ADRESSE

Am Sonnenlicht 5

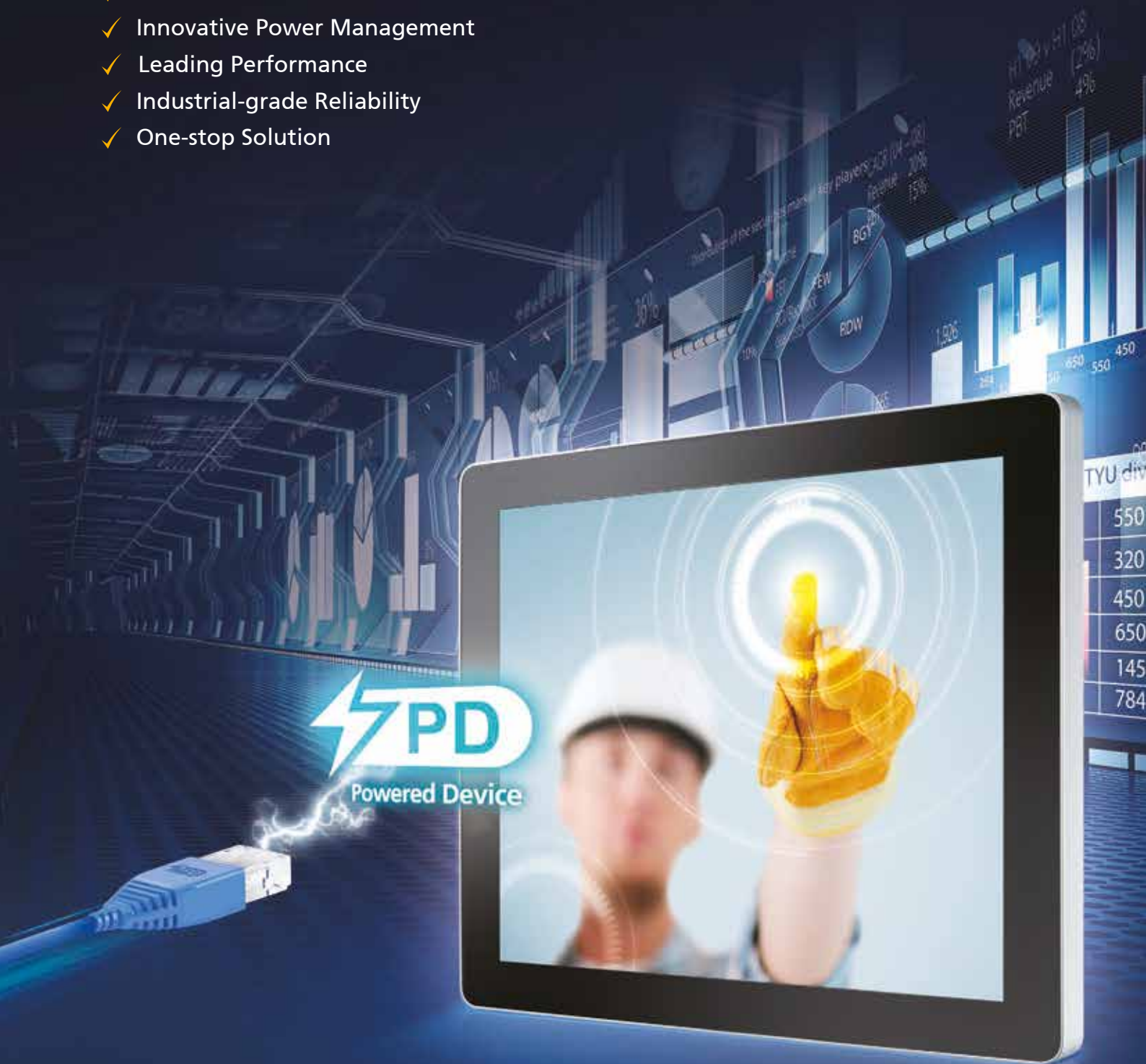
D-82239 Alling bei München



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



Key Features



Flexible customized display size : 7" to 55"



Specifications

Model Name	MTC-6021	MTC-6019	MTC-6017	MTC-6015
Panel				
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 ²)	250 (Optional, Up to 1200)	250	250	250
Viewing Angle	89/89/89/89	85/85/80/80	85/85/80/80	80/80/70/70
Contrast Ratio	3000 : 1	1000 : 1	1000 : 1	600 : 1
Touch Screen				
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

Mechanical				
Dimensions (W x H x L)	538.4 x 329.4 x 115.2 mm (21.2" x 12.97" x 4.53")	425.5 x 350.5 x 115.2 mm (16.75" x 13.8" x 4.53")	392.4 x 324.7 x 115.2 mm (15.45" x 12.78" x 4.53")	360.9 x 277.8 x 115.2 mm (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)

System	
Processor	Intel® Core™ i7/i5/Celeron® Processor (Skylake-U)
Chipset	Intel® SoC
Memory	2 DDR4 2133MHz SO-DIMMs, up to 32GB
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

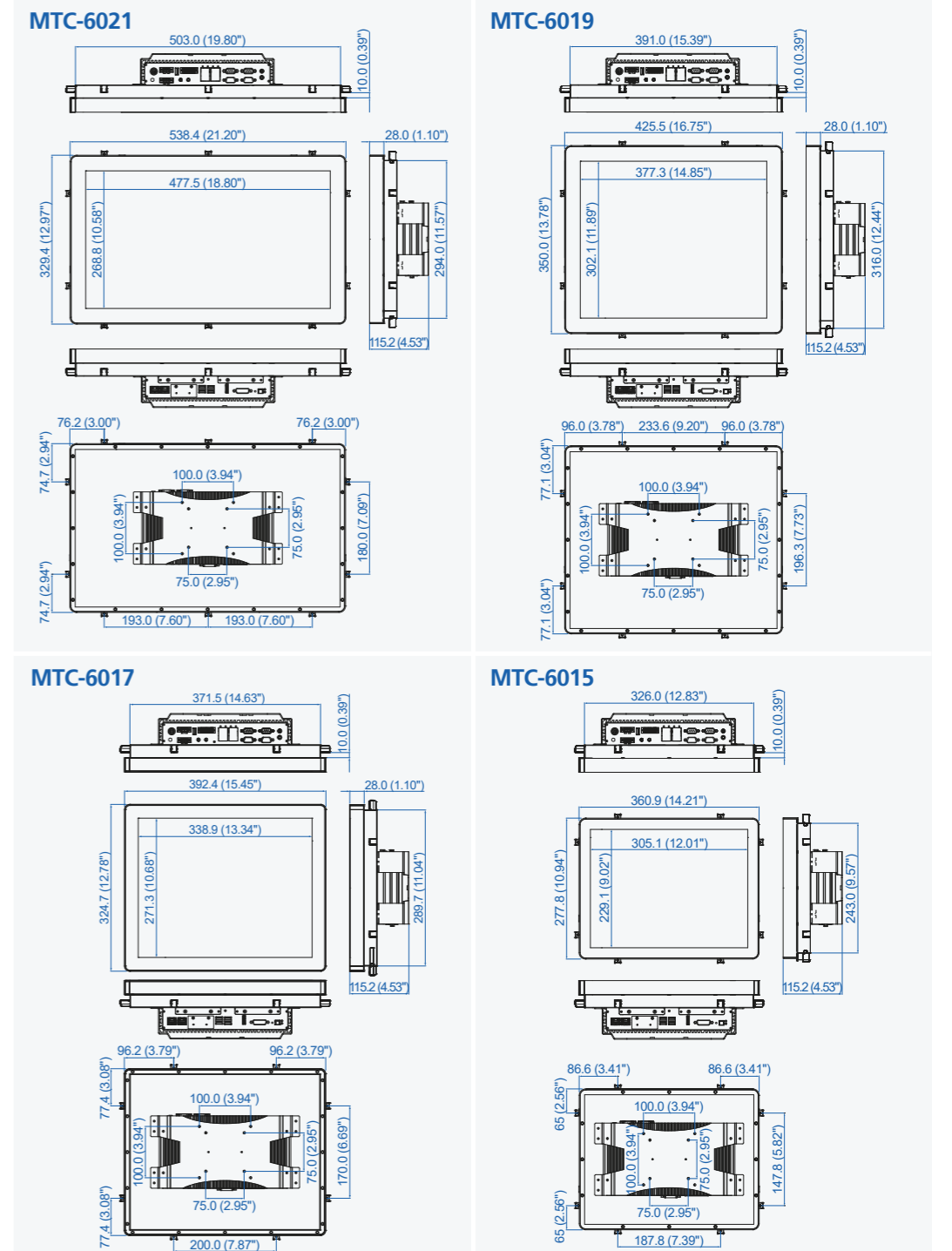
I/O Interface	
Serial	4 COM RS-232/422/485
USB	5 USB 3.0
DIO	16 Isolated DIO : 8 DI, 8 DO
LAN	- PoER : 6 GigE LAN with 4 IEEE 802.3at PoE+ - PDR : 2 GigE LAN support IEEE 802.3at Powered Device (PD) - 2R : 2 GigE LAN
Audio	1 Mic-in, 1 Line-out
Display	- DVI-D : Up to 1920 x 1200 @ 60Hz - DisplayPort : Up to 4096 x 2304 @ 60Hz
LED	Power, HDD, PoE, PD
CFast	1 CFast Socket, Push-in/Push-out Ejector
SIM Card	2 SIM Card Socket

Storage	
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

Power	
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

Others	
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.

Environment	
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



Application Scenarios



Order Information

Part No.	CPU	LAN	PoE ⁺	PD	USB 3.0	DIO
MTC-6021-PoER -600U/300U/955U	Intel® Core™ 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 -600U/300U/955U	Intel® Core™ 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 -600U/300U/955U	Intel® Core™ 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 -600U/300U/955U	Intel® Core™ 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-6000-20180621

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