

# MTC-6015-PoER

15" Fanless Multi-Touch Computer with Intel® Core™ i7/i5/i3 Processor (Kaby Lake/Skylake), 6 GigE LAN with 4 PoE\*, 2 SSD Tray, 2 SIM Socket, 5 USB 3.0, 16 Isolated DIO



## Features

- 15" TFT LCD panel with LED backlight
- Projected Capacitive Multi-touch Screen with 7H anti-scratch surface, up to 10-point Multi-touch
- Fanless, Intel® Core™ i7/i5/i3 U-series SoC (Kaby Lake/Skylake)
- 6 Independent GigE LAN with 4 IEEE 802.3at PoE\*
- 2 Mini PCIe for WiFi/4G/3G/LTE/GPRS/UMTS
- 16 Isolated DIO, 2 SSD Tray, 5 USB 3.0, 4 COM
- 6V to 36V DC-in, 80V Surge Protection, Ignition Power Control
- Touchscreen works with gloves
- IP65 Front Panel Protection



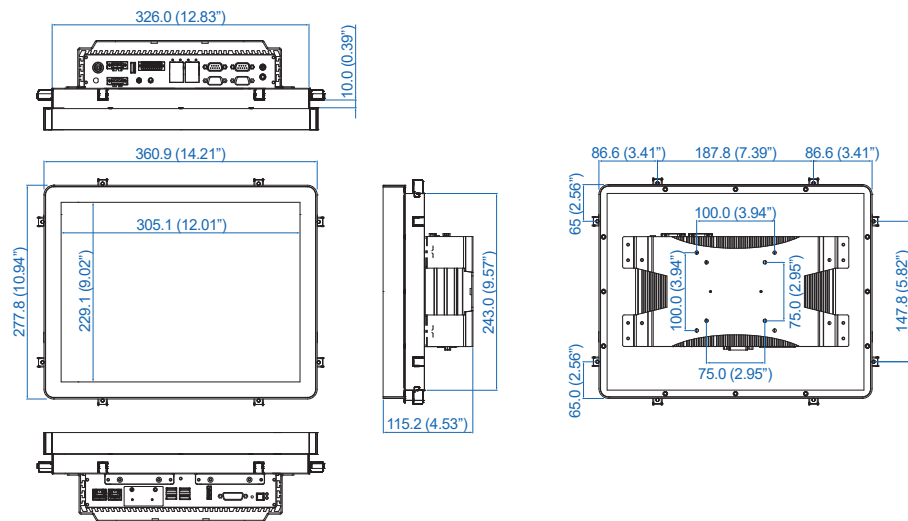
## Specifications

| Panel               |                                                                                          |
|---------------------|------------------------------------------------------------------------------------------|
| Panel Type          | TFT LCD                                                                                  |
| Active Area         | 15" (4 : 3)                                                                              |
| Max. Resolution     | 1024 x 768                                                                               |
| Display Color       | 16.7M (RGB 8-bit)                                                                        |
| Backlight           | LED Backlight                                                                            |
| Brightness (cd/m²)  | 250                                                                                      |
| Viewing Angle (H/V) | 80/80/70/70                                                                              |
| Contrast Ratio      | 600 : 1                                                                                  |
| Touch Screen        |                                                                                          |
| Touch Screen Type   | 10-point Projected Capacitive                                                            |
| Transparency        | ≥ 91%                                                                                    |
| Surface Hardness    | 7H Surface Hardness                                                                      |
| Control Interface   | USB Interface                                                                            |
| System              |                                                                                          |
| Processor           | Intel® Core™ i7-7600U/i7-6600U/i5-6300U/Celeron® 3955U Processor (Kaby Lake-U/Skylake-U) |
| Chipset             | Intel® SoC (Kaby Lake-U/Skylake-U)                                                       |
| Memory              | 2 DDR4 2400/2133 MHz SO-DIMM, up to 64GB                                                 |
| Graphics            | Intel® HD Graphics 520                                                                   |
| Ethernet            | ▪ Intel® I219LM GigE LAN supports iAMT 11.0<br>▪ Intel® I210 Gigabit LAN                 |
| Audio               | Realtek ALC892, 5.1 Channel HD Audio                                                     |
| I/O Interface       |                                                                                          |
| Serial              | 4 COM RS-232/422/485                                                                     |
| USB                 | 5 USB 3.0                                                                                |
| DIO                 | 16 Isolated DIO : 8 DI, 8 DO                                                             |
| LAN                 | 6 GigE LAN with 4 IEEE 802.3at PoE*                                                      |
| Audio               | 1 Mic-in, 1 Line-out                                                                     |
| Display             | ▪ DVI-D : Up to 1920 x 1200 @ 60Hz<br>▪ DisplayPort : Up to 4096 x 2304 @ 60Hz           |
| LED                 | Power, HDD, Wireless, PoE                                                                |
| CFast               | 1 CFast Socket, Push-in/Push-out Ejector                                                 |
| SIM Card            | 2 SIM Card Socket (External)                                                             |
| Storage             |                                                                                          |
| SATA                | 2 SATA III (6Gbps)                                                                       |
| mSATA               | 1 SATA III (Mini PCIe Type, 6Gbps)                                                       |
| Storage Device      | ▪ 1 External CFast Socket<br>▪ 2 2.5" SSD/HDD Tray                                       |

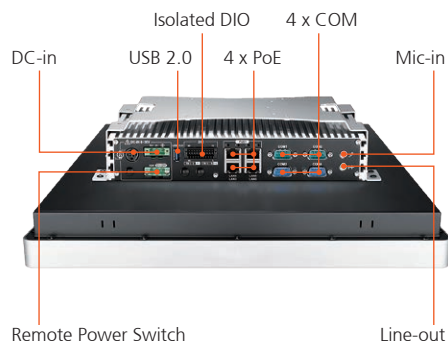
| Power                  |                                                                                          |
|------------------------|------------------------------------------------------------------------------------------|
| Power Input            | 6V to 36V, DC-in                                                                         |
| Power Interface        | ▪ 3-pin Terminal Block : V+, V-, Frame Ground<br>▪ 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                 |                                                                                          |
| 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.            |
| Software Support       |                                                                                          |
| OS                     | Windows 10, Windows 8.1, Windows 7, Linux                                                |
| Mechanical             |                                                                                          |
| Dimensions (W x H x L) | 360.9mm x 277.8mm x 115.2mm (14.21" x 10.94" x 4.53")                                    |
| Weight                 | 7.5 kg (16.53 lb)                                                                        |
| Front Panel Protection | IP65 Compliant                                                                           |
| Mounting               | ▪ VESA Mount (75 x 75mm, 100 x 100mm)<br>▪ Panel Mount                                   |
| Environment            |                                                                                          |
| Operating Temperature  | 0°C to 50°C (32°F to 122°F)                                                              |
| Storage Temperature    | -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<br>▪ 20G, Half-sine, 11ms                                               |
| Vibration              | ▪ IEC 60068-2-64<br>▪ Non-operation : 10Hz to 200Hz, 1.5Grms, X, Y, Z, 30 mins each Axis |
| EMC                    | CE, FCC                                                                                  |

## Dimensions

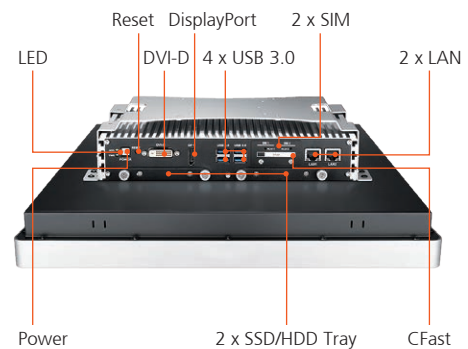
Unit : mm/ inch



## Top I/O



## Bottom I/O



## Order Information

|                           |                                                                                                                                                                             |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>MTC-6015-POER7600U</b> | MTC-6015 15" Fanless Multi-Touch Computer, Intel® Core™ i7-7600U Processor (Skylake-U), 6 GigE LAN with 4 PoE+, 2 Front-access SSD Tray, 5 USB 3.0, 3 USB 2.0, Isolated DIO |
| <b>MTC-6015-POER600U</b>  | MTC-6015 15" Fanless Multi-Touch Computer, Intel® Core™ i7-6600U Processor (Skylake-U), 6 GigE LAN with 4 PoE+, 2 Front-access SSD Tray, 5 USB 3.0, 3 USB 2.0, Isolated DIO |
| <b>MTC-6015-POER300U</b>  | MTC-6015 15" Fanless Multi-Touch Computer, Intel® Core™ i5-6300U Processor (Skylake-U), 6 GigE LAN with 4 PoE+, 2 Front-access SSD Tray, 5 USB 3.0, 3 USB 2.0, Isolated DIO |
| <b>MTC-6015-POER955U</b>  | MTC-6015 15" Fanless Multi-Touch Computer, Intel® Celeron® 3955U Processor (Skylake-U), 6 GigE LAN with 4 PoE+, 2 Front-access SSD Tray, 5 USB 3.0, 3 USB 2.0, Isolated DIO |

## Accessories

|                                    |                                                                                                     |
|------------------------------------|-----------------------------------------------------------------------------------------------------|
| <b>DDR4 32G</b>                    | Certified DDR4 32GB 2666MHz RAM                                                                     |
| <b>DDR4 16G</b>                    | Certified DDR4 16GB 2133MHz RAM                                                                     |
| <b>DDR4 8G</b>                     | Certified DDR4 8GB 2133MHz RAM                                                                      |
| <b>DDR4 4G</b>                     | Certified DDR4 4GB 2133MHz RAM                                                                      |
| <b>PWA-120W</b>                    | 120W, 24V, 90VAC to 264VAC Power Adapter with 3-pin Terminal Block                                  |
| <b>PWA-120WM4P</b>                 | 120W, 24V, 90VAC to 264VAC Power Adapter with 4-pin Mini-DIN Connector                              |
| <b>PWA-160W-WT</b>                 | 160W, 24V, 85VAC to 264VAC Power Adapter with 3-pin Terminal Block, Wide Temperature -30°C to +70°C |
| <b>Panel-Mount</b>                 | Panel Mount Kit                                                                                     |
| <b>VESA Stand</b>                  | VESA Table Stand                                                                                    |
| <b>TMK2-20P-100</b>                | Terminal Block 20-pin to Terminal Block 20-pin Cable, 100cm                                         |
| <b>TMK2-20P-500</b>                | Terminal Block 20-pin to Terminal Block 20-pin Cable, 500cm                                         |
| <b>TMB-TMBK-20P</b>                | Terminal Board with One 20-pin Terminal Block Connector and DIN-Rail Mounting                       |
| <b>4G Module</b>                   | Mini PCIe 4G/GPS Module with Antenna                                                                |
| <b>WiFi &amp; Bluetooth Module</b> | WiFi & Bluetooth Module with Antenna                                                                |