

1359.00 EUR

incl. 19% VAT, plus [shipping](#)

- Intel i7 Tiger Lake-UP3 !
- 2x Gigabit LAN !
- 4x RS232 !
- Hot Swap SSD !



- Intel® i7-1185G7E Processor
- Outstanding graphic computing capability with Integrated Intel® Iris Xe graphics
- Intel® vPro technology support
- 1 x DDR4 SO-DIMM and support up to 32GB
- Support Quadruple display for HDMI, and DisplayPort
- 1 x Hot Swappable SSD/HDD slot
- 2 x Intel® Gigabit Ethernet (Option: additional 2 x LAN)
- 2 x USB 2.0, 4 x USB 3.1 Gen2 and 4 x COM
- 8V~24V wide voltage power input

|                   |                   |                                                                                                                                                                                                                                                                                                          |
|-------------------|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SYSTEM            | CPU               | 11st Gen Tiger Lake-UP3 Intel® Core™ i<br>ULV Processor i3-1115G4E / (Dual Core,<br>6MB Cache, up to 3.90 GHz) / option: 11st<br>Gen Tiger Lake-UP3 Celeron 6305E /<br>i5-1145G7E / i7-1185G7E                                                                                                           |
|                   | CHIPSET           | Intel® SoC Integrated                                                                                                                                                                                                                                                                                    |
|                   | SYSTEM MEMORY     | DDR4 3200 MHz / 1 x 260-pin SO-DIMM /<br>Max. 32GB (Non-ECC)                                                                                                                                                                                                                                             |
|                   | GRAPHICS          | Intel® Iris Xe Graphics                                                                                                                                                                                                                                                                                  |
|                   | DISPLAY INTERFACE | DisplayPort 1.2 / HDMI 1.4                                                                                                                                                                                                                                                                               |
|                   | STORAGE SLOT      | 1 x Hot Swappable 2.5 HDD / SSD<br>(Maximum 9.5mm height) / 1 x M.2 B Key<br>2280/2260/2242 Slot                                                                                                                                                                                                         |
|                   | ETHERNET          | Intel® I219-LM Giga LAN / Intel® I225-LM<br>2.5GbE LAN / Additional 2 x Intel® I210-IT<br>Giga LAN for Options                                                                                                                                                                                           |
|                   | AUDIO             | Realtek® ALC256                                                                                                                                                                                                                                                                                          |
|                   | I/O CHIPSET       | Nuvoton NCT6126D(eSPI)                                                                                                                                                                                                                                                                                   |
|                   | TPM               | Nuvoton NPCT750AABYX TPM2.0                                                                                                                                                                                                                                                                              |
|                   |                   | Wireless: M.2 2230 E key (PCIe, USB) /<br>Storage/LTE/5G Slot: M.2<br>2280/2260/2242/3042/3052 B Key<br>(USB2.0/*PCIex1/SATAIII) *Not support M.2<br>M Key NVMe SSD / **5G card support is by<br>BOM option. Please check with sales about<br>the M.2 B Key 3052 5G card spec if you<br>have any request |
|                   | EXPANSION SLOT    |                                                                                                                                                                                                                                                                                                          |
|                   | INDICATOR         | Power LED / HDD LED                                                                                                                                                                                                                                                                                      |
|                   | FRONT I/O         | 2 x SMA Antenna (Optional for WiFi/LTE<br>function) / 3 x RS232 / 1 x Audio Combo<br>Jack (Mic-in and Line-out) / 1 x Hot<br>Swappable 2.5" SSD/HDD slot (Maximum<br>9.5mm height) / 2 x USB 2.0 / 1 x RS232 /<br>422 / 485 / HDD LED / Power Button w/<br>Power Indicator                               |
| POWER REQUIREMENT | REAR I/O          | 2 x DisplayPort 1.2 / 2 x HDMI 1.4 / 2 x<br>RJ-45 / 4 x USB 3.1 Gen 2 (10 Gbps) / 1 x<br>3-pin Terminal Block Power Input / 1 x 2-pin<br>Terminal Block Remote Power on / off / 2 x<br>SMA Antenna (Optional for WiFi/LTE<br>function)                                                                   |
|                   | H/W MONITOR       | Temperature Monitor / Voltage Monitor                                                                                                                                                                                                                                                                    |
|                   | WATCHDOG TIMER    | 1~255 steps by software program                                                                                                                                                                                                                                                                          |
|                   | POWER INPUT       | 8~24V Wide Range DC Input w/ Terminal<br>Block Connectivity / *Power Ignition<br>Xpansion module is only optional in<br>MP1-11TGS-D model.                                                                                                                                                               |
|                   | POWER ADAPTER     | DC24V / 3A / AC / DC / 72W adapter (For<br>AC SKU)                                                                                                                                                                                                                                                       |

|               |                        |                                                                                                                                                                            |
|---------------|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| MECHANICAL    | THERMAL DESIGN         | Fanless                                                                                                                                                                    |
|               | MOUNTING               | Wallmount / Side Mount / 75 mm x 75 mm<br>VESA Holes & Din Rail Mount Combo Kit<br>(Optional)                                                                              |
|               | DIMENSIONS (W X D X H) | 8.3" x 5.9" x 2.5" (210 x 150 x 63 mm)                                                                                                                                     |
|               | WEIGHT                 | 2.1kg (4.6 lb)                                                                                                                                                             |
|               | MATERIAL               | Top cover: Aluminum Alloy / Bezel and<br>chassis: Steel                                                                                                                    |
| ENVIRONMENTAL | OPERATING TEMPERATURE  | 15W TDP: -40 ~ 70°C with 0.7m/s Air Flow<br>(w/ Extended Temp. SSD/mSATA/RAM) /<br>28W TDP: -40 ~ 60°C with 0.7m/s Air Flow<br>(w/ Extended Temp. SSD/mSATA/RAM)           |
|               | STORAGE TEMPERATURE    | -40 ~ 85°C (-40 ~185°F)                                                                                                                                                    |
|               | OPERATING HUMIDITY     | 10% ~ 95% R/H (Non-condensing)                                                                                                                                             |
|               | VIBRATION RESISTANCE   | Operating: 5Hz~500Hz / 3Grms / 3Axis (w/<br>SSD, according to IEC60068-2-64)                                                                                               |
|               | SHOCK RESISTANCE       | Operating: 50 Grms, Half-sine 11 ms<br>Duration (w/ SSD, according to<br>IEC60068-2-27)                                                                                    |
| OS            | CERTIFICATION          | CE / FCC Class A                                                                                                                                                           |
|               | OS SUPPORT             | Windows® 10 64-bit / Linux (support by<br>request)                                                                                                                         |
| PACKING LIST  | PACKAGE                | 1 x Quick Installation Guide / 1 x Embedded<br>System / 1 x Wall Mount Brackets / 1 x 3 pin<br>Terminal Block Power Connector / 1 x 2 pin<br>Terminal Block Male Connector |