

## SHIELD-156-U

15.6" stainless steel waterproof Panel PC with Intel® Meteor Lake Processor



## Features

- » Intel® Meteor Lake Ultra 5/7 processor
- » 10~28V wide voltage input
- » 304 stainless steel housing
- » Pre-installed with high-performance 16GB DDR5 memory, up to 96GB
- » Optional High-speed transmission fiber optic module
- » Fully waterproof interface

## Specifications

| System                   |                                                                                                                                                                  |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CPU                      | Intel® Meteor Lake Ultra 5 processor 135U<br>Intel® Meteor Lake Ultra 7 processor 165U                                                                           |
| On-board Memory          | 2 x SO-DIMM DDR5-4800 up to 96GB (Pre-installed 16GB)                                                                                                            |
| Memory Max.              | 96GB                                                                                                                                                             |
| Storage                  | 1 x M-Key 2280 (PCIe Gen4 x4) for M.2 SSD<br>1 x 128GB eMMC (optional)                                                                                           |
| I/O Interface            |                                                                                                                                                                  |
| Ethernet                 | 2 x 2.5GbE LAN via Intel I226-IT                                                                                                                                 |
| Expansion                | 1 x M.2 M-Key 2242/2280 (PCIe Gen4 x 4)<br>1 x M.2 B-Key 3052/3080 (PCIe Gen3 x1 + USB 3.2 x1)<br>1 x NANO-SIM<br>1 x M.2 A-key 2230 (PCIe Gen3 x1 + USB 2.0 x1) |
| Power                    |                                                                                                                                                                  |
| Input                    | DC 10~28V                                                                                                                                                        |
| Environment              |                                                                                                                                                                  |
| Operating Temperature    | -10°C ~ 55°C @50%RH                                                                                                                                              |
| Safety & EMC             | CE/FCC                                                                                                                                                           |
| Humidity                 | 10% to 90%RH@40°C, non-condensing                                                                                                                                |
| Storage Temperature      | -40°C ~ 70°C                                                                                                                                                     |
| IP Level                 | Fully IP69K                                                                                                                                                      |
| Physical Characteristics |                                                                                                                                                                  |
| Mounting                 | VESA Mount 100 x 100 / Pole Mount / YOKE Mount                                                                                                                   |
| Construction             | 304 Stainless Steel                                                                                                                                              |
| LCD                      |                                                                                                                                                                  |
| Size                     | 15.6"                                                                                                                                                            |
| Resolution               | 1920 x 1080 (16:9)                                                                                                                                               |
| Brightness (cd/m2)       | 450 cd/m²                                                                                                                                                        |
| Contrast Ratio           | 800:1                                                                                                                                                            |
| LCD Color                | 16.2M                                                                                                                                                            |
| Pixel Pitch (mm)         | 0.179 (H) x 0.179 (V)                                                                                                                                            |
| Viewing Angle (H-V)      | 178°/178°                                                                                                                                                        |
| Backlight MTBF           | 50000hours                                                                                                                                                       |
| Touch                    |                                                                                                                                                                  |
| Touch Screen             | Multi-point projected capacitive type                                                                                                                            |

|                  |                                                |
|------------------|------------------------------------------------|
|                  | (anti-UV / anti-glare coating, support gloves) |
| Touch Controller | ILI2520                                        |
| Other Features   |                                                |
| Camera           | 1 x Camera (Wide-viewing angle)                |
| I/O Interface    |                                                |
| I/O Interface    | 1 x CAN-bus (with 2.0 kV isolation)            |
|                  | 1 x DC Input Jack                              |
|                  | 1 x GPIO (with 1.6 KV isolation)               |
|                  | 1 x HDMI™ (1.4b)                               |
|                  | 2 x LAN (2.5GbE)                               |
|                  | 1 x Power Switch                               |
|                  | 1 x RS-232 (with 2.0 kV isolation)             |
|                  | 1 x RS-232/422/485 (with 2.0 kV isolation)     |
|                  | 1 x USB 2.0                                    |
|                  | 1 x USB 3.2 Gen1x1                             |

## Ordering Information

|                     |                                                                                                                                                                                                                      |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SHIELD-156-U7AD-R10 | 15.6" 450cd/m² 1920x1080 Panel PC with Intel® Core™ Ultra 7 processor 155U , Preinstalled with 16GB DDR5, PCAP touch, 10~28V DC, 304 Stainless Steel Chassis, Full Body IP66 Rated With Water-Proof Connectors , R10 |
| SHIELD-156-U5AD-R10 | 15.6" 450cd/m² 1920x1080 Panel PC with Intel® Core™ Ultra 5 processor 125U , Preinstalled with 16GB DDR5, PCAP touch, 10~28V DC, 304 Stainless Steel Chassis, Full Body IP66 Rated With Water-Proof Connectors , R10 |

## Packing List

|                  |                 |
|------------------|-----------------|
| 1 x SHIELD-156-U | 1 x Power Cable |
| 1 x USB2.0 Cable | 1 x LAN Cable   |
| 1 x QIG          |                 |