

## SHIELD-185-U

18.5" 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             |
|                          | 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             |
|                          | 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)               |
|                          | 1 x M.2 B-Key 3052/3080 (PCIe Gen3 x1 + USB 3.2 x1)   |
|                          | 1 x NANO-SIM                                          |
|                          | 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                     | 18.5"                                                 |
| Resolution               | 1920 x 1080 (16:9)                                    |
| Brightness (cd/m2)       | 500 cd/m <sup>2</sup>                                 |
| Contrast Ratio           | 1000:1                                                |
| LCD Color                | 16.7M                                                 |
| Pixel Pitch (mm)         | 0.213 (H) x 0.213 (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         | ILI2521                                               |

| 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-185-U7AD-R10 | 18.5" 500cd/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-185-U5AD-R10 | 18.5" 500cd/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-185-U | 1 x Power Cable |
| 1 x USB2.0 Cable | 1 x LAN Cable   |
| 1 x QIG          |                 |