

# IRS-100-ULT3

Rolling stock computer for traffic safety system, passenger information and video surveillance



## Features

- » Intel® Skylake ULT processor
- » Dual M12 LAN port
- » VGA / DVI dual display
- » Dual SIM card design
- » 24V / 110V DC input
- » 2 x 2.5" hot-swappable SATA SSD drive bay
- » EN 50155

## Specifications

|                             |  |
|-----------------------------|--|
| <b>Form factor</b>          |  |
| SBC Form Factor             | CPU: Intel® Core™ i5-6300U processor (dual-core, 2.4 GHz, 15W TDP)                                     |
|                             | Chipset: SoC   |
|                             | System Memory: 2 x 260-pin DDR4L SO-DIMM 4GB pre-installed (system max. 32 GB)                         |
| <b>I/O Interface</b>        |  |
| I/O Ports                   | 2 x USB 3.0  |
|                             | 1 x USB 2.0 (M12 connector)  |
|                             | 2 x M12 connector PCIe GbE by Intel® I1211   |
|                             | 2 x DB-9 RS-232/422/485 (with 1.5 kV isolation)  |
|                             | 1 x Terminal block for 8-bit digital I/O (4-bit input/4-bit output, 1.5 kV isolation)                  |
|                             | 1 x VGA  |
|                             | 1 x DVI-D  |
|                             | 1 x Line-out, 1 x Mic-in   |
|                             | 2 x SIM card slot  |
| <b>Expansion Slots</b>      |  |
| Expansion Slots             | 1 x Full-size PCIe Mini (PCIe/USB2.0)  |
|                             | 1 x Full-size PCIe Mini (PCIe/USB2.0/SATA)   |
| <b>System</b>               |  |
| Cooling method / System Fan | Fanless  |
| Drive Bays                  | 2 x 2.5" SATA 6Gb/s SSD drive bay  |
|                             | (Please note that HDD2 and mSATA share the same SATA signal. Two devices could not work concurrently.) |
| <b>Color</b>                |  |
| Color                       | Blue C   |
| <b>Dimensions</b>           |  |
| Dimensions                  | 290 x 69 x 225   |
| <b>Weight</b>               |  |
| Weight                      | 3.9 kg / 5.1 kg  |
| <b>Environment</b>          |  |
| Operating Temperature       | -40°C ~ 70°C with air flow (with industrial SSD/CF), compliant with EN 50155                           |
| Humidity                    | 10% ~ 95%, non-condensing  |

## Ordering Information

|                        |   |
|------------------------|---|
| IRS-100-ULT3-i5/4G-R10 | Fanless railway system with Intel® Core™ i5-6300U processor, (15W), 4GB DDR4L pre-installed memory, two 2.5" SATA SSD bays, VGA, DVI, two M12 GbE LAN |
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