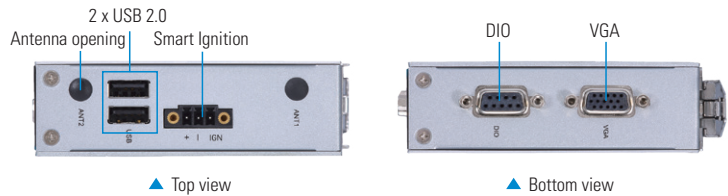
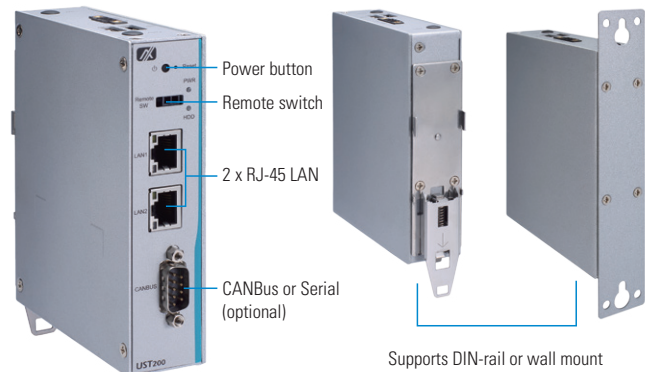


UST200-83H-FL

Robust and Compact DIN-rail Fanless Embedded System with Intel Atom® x5-E3930 Processor for In-Vehicle Gateway Applications

Features

- CE and FCC certified; ISO 7637-2 compliant
- Intel Atom® x5-E3930 processor
- Extreme cost-effective with fanless and cableless design
- Wide operating temperature range from -40°C to +70°C
- Supports 12 & 24 VDC typical in-vehicle power input
- Smart Ignition for power on/off schedule, vehicle battery protection, and different power modes
- Supports COM, CAN, USB, and GbE LAN
- Supports SocketCAN
- AMS.AXView intelligent remote monitoring



Specifications

| | | | |
|-------------------|----------------------------------------------|------------------------------------------------------------------------------------------|--|
| Standard Color | Silver | | |
| Construction | Extruded aluminum and heavy-duty steel, IP20 | | |
| CPU | Intel Atom® x5-E3930 2C @1.3 GHz, TDP: 6.5W | | |
| Chipset | SoC integrated | | |
| System Memory | 1 x DDR3L-1866 SO-DIMM, up to 8GB | | |
| BIOS | AMI | | |
| TPM | TPM 2.0 | | |
| System I/O Outlet | Serial | 1 x DB9 Serial console or RS-232/422/485** | |
| | CANBus | 1 x DB9 CANBus 2.0 A/B**, supports SocketCAN* | |
| | Display | 1 x VGA (up to 1920 x 1200 @60Hz) | |
| | Ethernet | 2 x RJ-45 10/100/1000 Mbps Ethernet (Intel® i211-AT) | |
| | USB | 2 x USB 2.0 | |
| | DIO | 1 x DB9 8-bit programmable DIO | |
| | Others | 2 x Antenna opening 1 x Power button 1 x Remote switch | |
| | Extension Interface | 1 x Full-size Rev. 1.2 PCI Express Mini Card slot: • USB/PCIe with SIM socket | |
| | | 1 x Half-size Rev. 1.2 PCI Express Mini Card slot: • mSATA/USB/PCIe | |
| Storage | | mSATA 1 x Half-sized mSATA (occupied 1 x PCI Express Mini Card slot) eMMC Optional*** | |
| Watchdog Timer | 255 levels, 1 to 255 sec. | | |

| | | |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|
| Power | Power Supply | General Use: 1 x Terminal block, 9 to 36 VDC Vehicle: 1 x Terminal block, 12/24 VDC with smart ignition |
| | Power Consumption | 9V, 2.06A/36V, 0.55A |
| System Indicator | 1 x LED indicator for SATA drive activity 1 x LED indicator for power | |
| Operating Temperature | -40°C to +70°C (-40°F to +158°F) with W.T. peripheral**** | |
| Humidity | 0% to 95%, non-condensing | |
| Dimensions | 31 mm (1.22") (W) x 100.4 mm (3.93") (D) x 125 mm (4.92") (H) | |
| Mounting | Wall mount, DIN-rail | |
| Weight (net/gross) | 0.3 kg (0.67 lb)/0.45 kg (0.99 lb) | |
| Certifications | CE (Class A), FCC (Class A) certified; ISO 7637-2 compliant | |
| | EMC | CE/FCC EN 55032 (Class A), EN 55024, FCC part 15 B (Class A) |
| Vibration Endurance | 3 Gms with mSATA (5 to 500Hz, X/Y/Z direction; random, operating) MIL-STD-810G, Method 514.6C-VI Category 4 compliant | |
| EOS Support | Windows® 10 64-bit, Ubuntu 18.04 | |
| Software Support | AMS.AXView | |

* Please refer the detail in SocketCAN manual.

** See Ordering information.

*** Please contact Axiomtek for the details of mounting and pre-installed software.

**** Wide Temperature. All W.T. supported products have to be sorted by Axiomtek.

