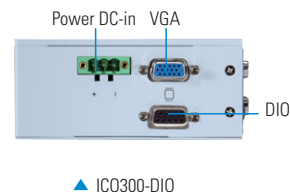
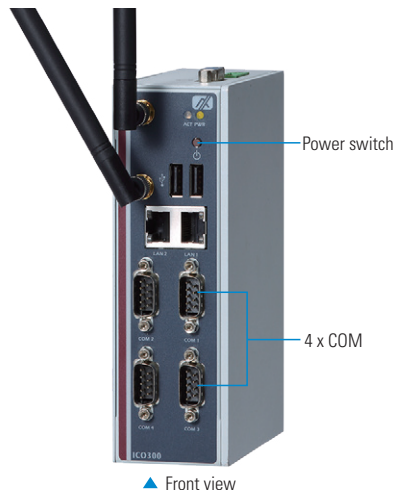


ICO300

Robust DIN-rail Fanless Embedded System with Intel Atom® Processor E3815/E3827, 4 COM, 2 LAN, DIO, and RTC

Features

- Cost-effective with fanless and cableless design
- Intel Atom® processor E3815 or E3827
- 4 RS-232/422/485 ports
- 2 isolated 10/100/1000 Mbps Ethernet ports
- 1 DIO port
- 1 PCI Express Mini Card slot (3G/GPRS or Wi-Fi)
- 1 CompactFlash (or mSATA) and SATA SSD (or HDD)
- 12 to 24 VDC wide range power input
- Supports Windows® 10 IoT solution



Specifications

| | | |
|-------------------|--|---|
| Standard Color | Silver | |
| Construction | Extruded aluminum and heavy-duty steel, IP40 | |
| CPU | Intel Atom® processor E3815 (1.46 GHz) or E3827 (1.75 GHz) | |
| System Board | SBC87842 | |
| System Memory | 1 x DDR3L-1333/1600 SO-DIMM, up to 8GB | |
| BIOS | AMI UEFI BIOS | |
| System I/O Outlet | Serial | 4 x RS-232/422/485 (COM 1 to 4) Interface select by BIOS Supports Auto Flow Control in RS-485 mode |
| | RTC | Battery onboard |
| | USB | 2 x USB 2.0 |
| | Storage | 1 x CompactFlash™ (or mSATA*) 1 x SATA SSD (or HDD) |
| | LAN | 2 x 10/100/1000 Mbps Ethernet (Intel® i211-AT for ICO300) (Intel® i210-IT for ICO300-WT) |
| | Display | 1 x VGA |
| | DIO (ICO300-DIO) | 1 x DI/DO (8-bit programmable, DB9 female connector) Voltage is 5V TTL-level ESD protection corresponds to IEC6100-4-2 (± 8kV (Air); ± 4kV (contact)) Programming: I/O sink current is 10mA (max.) Input/output can be programming |
| | Power Input | 1 x DC power input with terminal block |
| | Wireless | 1 x Full-size PCI Express Mini Card slot 1 x SIM Card socket 2 x Antenna |

| | |
|-----------------------|---|
| Watchdog Timer | 255 levels, 1 to 255 sec. |
| System Indicator | Power, active |
| Power Supply | Power input range: 12 to 24 VDC Power input rating: 12 to 24 VDC, 1.21 to 0.66A (ICO300-E3815) 12 to 24 VDC, 1.42 to 0.74A (ICO300-E3827) Power protection: DC version, OVP, Reverse protection |
| Operating Temperature | -20°C to +70°C (-4°F to +158°F) |
| Humidity | 10% to 95% |
| Vibration Endurance | 2 Gms (5 to 500Hz, amplitude 0.35 mm; operation/storage/transport) |
| Weight (net/gross) | 1.0 kg (2.2 lb)/1.50 kg (3.3 lb) |
| Certifications | CE, FCC, UL |
| Dimensions | 48 mm (1.88") (W) x 110 mm (4.33") (D) x 155 mm (6.1") (H) |
| EOS Support | Windows® 7 embedded Windows® 8 embedded Linux support package Windows® 10 IoT core pro |

* mSATA and wireless can be either one.

** mSATA and CF can be either one.

Ordering Information

| Standard | |
|---|--|
| IC0300-E3815-DIO-PB-DC (P/N: E22C300111) | Robust DIN-rail fanless embedded system with Intel Atom® processor E3815 1.46 GHz, 4 COM, and DIO (-20°C to +70°C) |
| IC0300-E3827-DIO-PB-DC (P/N: E22C300112) | Robust DIN-rail fanless embedded system with Intel Atom® processor E3827 1.75 GHz, 4 COM, and DIO (-20°C to +70°C) |

| Optional | |
|---|--|
| CompactFlash™ | 4GB or above (with W.T. CF) |
| 2.5" SATA SSD or HDD (with W.T. SSD or HDD) | |
| DDR3L SO-DIMM | 2GB to 8GB (with W.T. memory) |
| 8812C3000A0E | IC0300/310/320 wall mount bracket kit |
| 8816N3234A0E | 3G/GPS UC20G kit for tBOX (3G ANT) (E) |
| 8816N3235A0E | 3G/GPS UC20G kit for tBOX (3G/GPS ANT) (E) |
| 8812C3003A0E | SparkLAN WPEA-152GN Wi-Fi kit ICO SFP (E) |
| 8812C3004A0E | SparkLAN WPEA-251N Wi-Fi kit ICO SFP (E) |
| 82606200390E | LTE module SIERRA MC7304 kit for EU SFP |
| 822C3001070E | LTE SIM7100C with EXT ANT for IC0300 SFP |
| 826N3230060E | tBOX series Bointec CPE902A Wi-Fi SFP |

* Specifications and certifications may vary based on different requirements.

Dimensions

