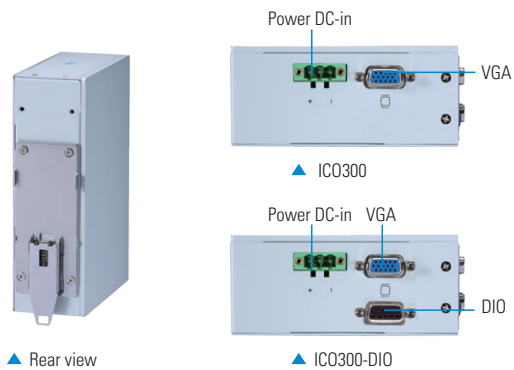
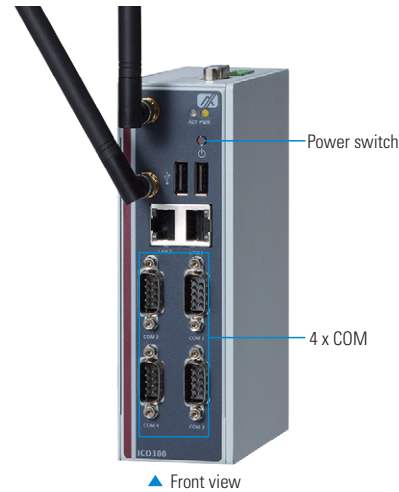


ICO300

Robust DIN-rail Fanless Embedded System with Intel® Atom® Processor E3815/E3827, 4 COM, 2 LANs, 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.

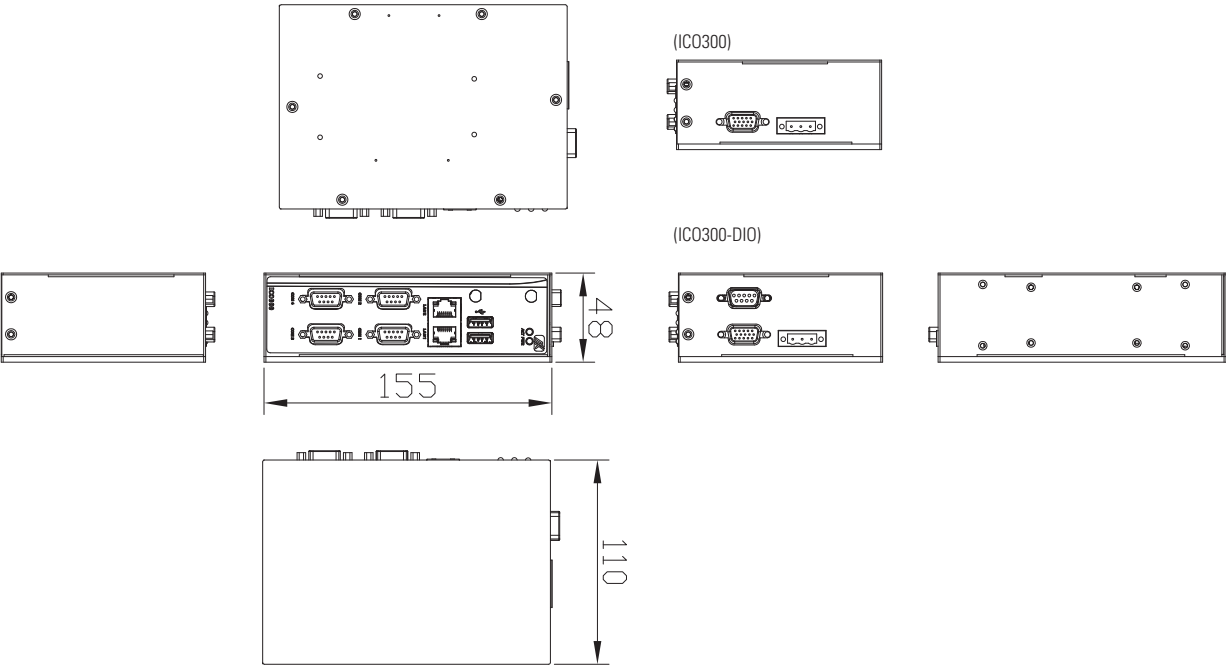
** mSATA and CF can be either one.

Ordering Information

Standard		Optional	
IC0300-E3815-PB-DC (P/N: E22C300109)	Robust DIN-rail fanless embedded system with Intel® Atom® processor E3815 1.46 GHz and 4 COM (-20°C to +70°C)	CompactFlash™	4GB or above (with W.T. CF)
IC0300-E3827-PB-DC (P/N: E22C300110)	Robust DIN-rail fanless embedded system with Intel® Atom® processor E3827 1.75 GHz and 4 COM (-20°C to +70°C)	2.5" SATA SSD or HDD (with W.T. SSD or HDD)	
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)	DDR3L SO-DIMM	2GB to 8GB (with W.T. memory)
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)	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



Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Axiomtek:

[ICO300-E3815-WT](#) [ICO300-E3827-DIO](#) [ICO300-E3827](#) [ICO300-E3815-DIO](#) [ICO300-E3815-MI3-DC](#) [ICO300-E3827-DIO-PB-DC](#) [ICO300-E3827-PB-DC](#) [ICO300-E3815](#) [ICO300-E3827-DC](#) [ICO300-E3815-DIO-PB-DC](#) [ICO300-E3815-WT-DIO](#) [ICO300-E3815-PB-DC](#)