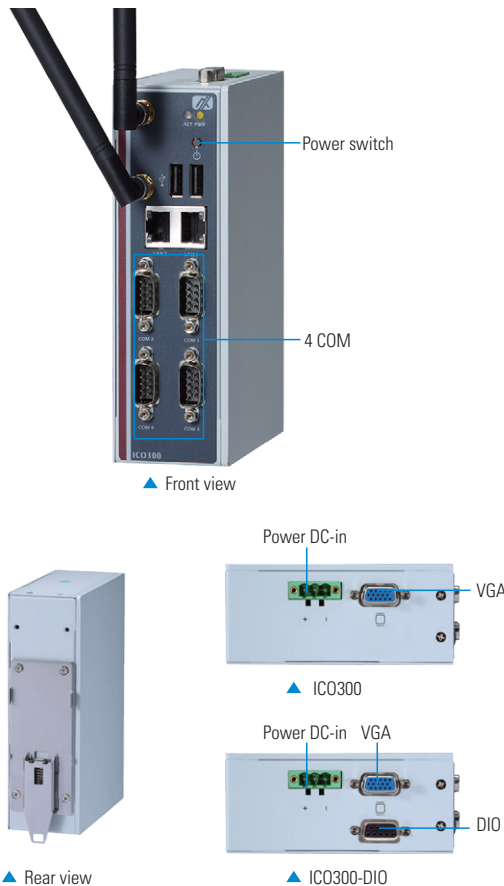


ICO300

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

Features

- Fanless design
- Intel® Atom® processor E3815 (1.46 GHz) or E3827 (1.75 GHz)
- 4 RS-232/422/485 ports
- Supports Windows® 10 IoT Solution
- 2 isolated 10/100/1000 Mbps Ethernet ports
- 1 DIO port
- Supports wireless (3G/GPRS or Wi-Fi)
- 1 CF (or mSATA) and SATA SSD (or HDD)
- 12 ~ 24 VDC wide range power input



Specifications

Standard Color	White	
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	DDR3L-1333/1600 SO-DIMM up to 4GB (E3815) or up to 8GB (E3827)	
BIOS	AMI UEFI BIOS	
System I/O Outlet	Serial Port	4 x RS-232/422/485 (COM 1 ~ 4) Interface select by BIOS Supports Auto Flow Control in RS-485 mode
	USB	2 x USB 2.0
	RTC	Battery onboard
	Storage	1 x CF (or mSATA*) 1 x SATA SSD (or HDD)
	LAN	2 x 10/100/1000 Mbps Ethernet (Intel® i211AT for ICO300) (Intel® i210IT for ICO300-WT)
	VGA	1 x DB15 connector
	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 supports wireless (3G/GPRS or Wi-Fi) 1 x SIM Card socket 2 x Antenna

Watchdog Timer	255 levels, 1 ~ 255 sec.
System Indicator	Power, Active
Power Supply	Power Input Range: 12 ~ 24 VDC Power Input Rating: 12 ~ 24 VDC, 1.21 ~ 0.66A (ICO300-E3815) 12 ~ 24 VDC, 1.42 ~ 0.74A (ICO300-E3827) Power Protection: DC version, OVP, Reverse protection
Operating Temperature	-20°C ~ +70°C (-4°F ~ +158°F)
Humidity	10% ~ 95%
Vibration Endurance	2 Gms (5 ~ 500Hz, amplitude 0.35 mm; operation/storage/transport)
Weight (net/gross)	1.0 kg (2.2 lb)/1.50 kg (3.3 lb)
Certificate	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-PB-DC	Robust DIN-rail fanless embedded system with Intel® Atom® processor E3815 1.46 GHz and 4 COM (-20°C ~ +70°C)
IC0300-E3827-PB-DC	Robust DIN-rail fanless embedded system with Intel® Atom® processor E3827 1.75 GHz and 4 COM (-20°C ~ +70°C)
IC0300-E3815-DIO-PB-DC	Robust DIN-rail fanless embedded system with Intel® Atom® processor E3815 1.46 GHz, 4 COM and DIO (-20°C ~ +70°C)
IC0300-E3827-DIO-PB-DC	Robust DIN-rail fanless embedded system with Intel® Atom® processor E3827 1.75 GHz, 4 COM and DIO (-20°C ~ +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 ~ 8GB (with W.T. memory)
Wall mount kit	
8812C3000A0E	IC0300/310/320 wall mount bracket kit
PCI Express Mini Card slot: Wi-Fi/3G/4G	
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 w/ EXT ANT for IC0300 SFP
826N3230060E	tBOX series Bointec CPE902A Wi-Fi SFP

*Specifications and certifications may vary according to various options.

Dimensions

