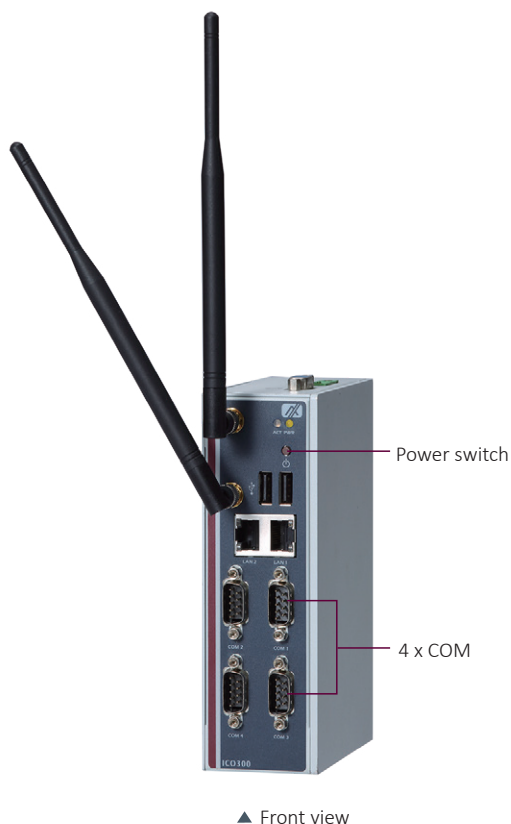


ICO300

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



Fanless



Wide Temp.



IP40



EN 60950



Low Power

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 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 mSATA 1 x SATA SSD (or HDD)
	LAN	2 x 10/100/1000 Mbps Ethernet (Intel® i210-IT)
	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 IEC 6100-4-2 (± 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)	
Relative Humidity	10% to 95% relative humidity, non-condensing	
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)	
Dimensions (W x D x H)	48 x 110 x 155 mm (1.88" x 4.33" x 6.1")	
EOS Support	Windows® 7 embedded, Windows® 8 embedded, Windows® 10 IoT core pro, and Linux support package	
Certifications	CE, FCC, and UL	

* mSATA and wireless can be either one.

Ordering Information

Standard

ICO300-E3815-B (P/N: E22C300164)	Robust DIN-rail fanless embedded system with Intel Atom® processor E3815 1.46 GHz, 4 COM, and DIO (-20°C to +70°C)
ICO300-E3827-B (P/N: E22C300165)	Robust DIN-rail fanless embedded system with Intel Atom® processor E3827 1.75 GHz, 4 COM, and DIO (-20°C to +70°C)



Dimensions

