ICO300

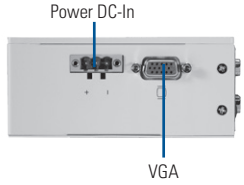
Robust DIN-rail Fanless Embedded System with Intel® Atom™ Processor E3815/E3827, 4 COM, 2 LANs, DIO and RTC

Features

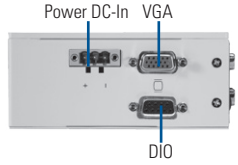
- Fanless design
- Intel® Atom™ processor E3815 (1.46 GHz) or E3827 (1.75 GHz)
- 4 RS-232/422/485 ports
- Supports Windows® 10 IoT Solution
- 2 isolated 10/100/1000 Mbps Ethernet ports
- 1 DIO port
- Supports wireless (3G/GPRS or Wi-Fi)
- 1 CF (or mSATA) and SATA SSD (or HDD)
- Wide range 12 - 24V DC-In

▲ Front view

▲ Rear view



▲ ICO300



▲ ICO300-DIO

EN60950 | Ext. Temp | IP40 | Fanless | Low Power | c UL us LISTED

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 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	2g@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.

* All specifications and photos are subject to change without notice.

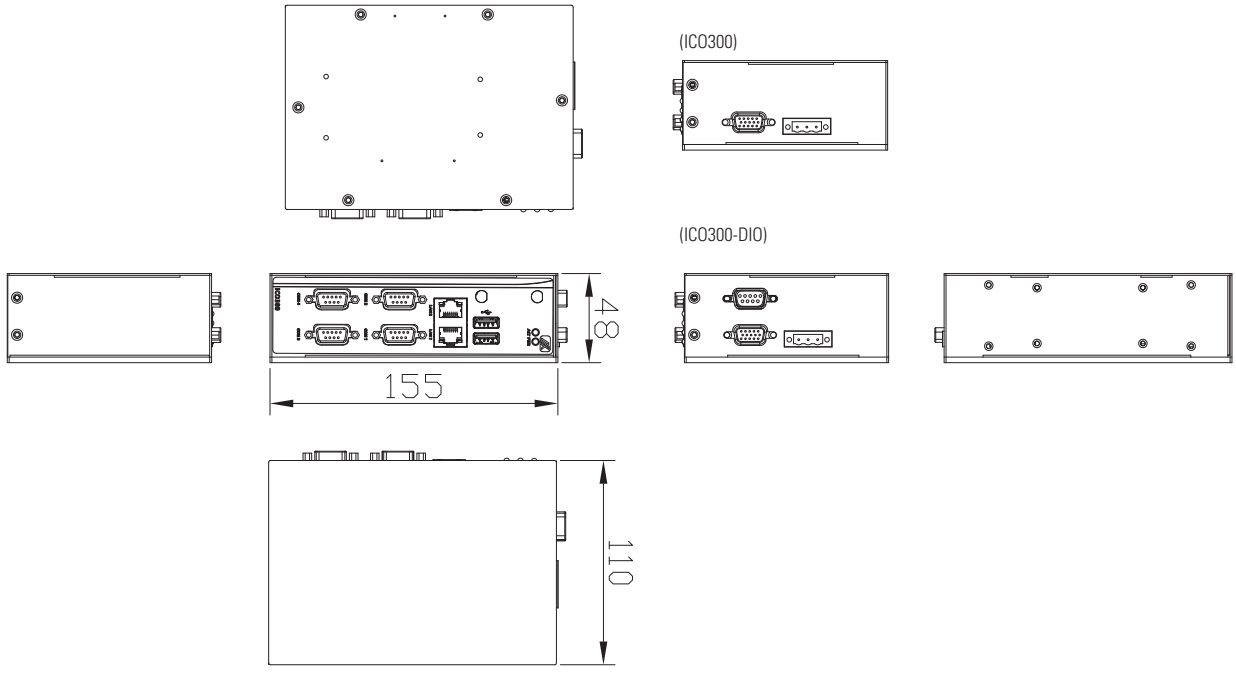
Ordering Information

Standard	
ICO300-E3815-DC	Robust DIN-rail fanless embedded system with Intel® Atom™ processor E3815 1.46 GHz and 4 COM ports (-20°C ~ +70°C)
ICO300-E3815-WT-DC (Optional)	Robust DIN-rail fanless embedded system with Intel® Atom™ processor E3815 1.46 GHz and 4 COM ports (-40°C ~ +70°C)
ICO300-E3827-DC	Robust DIN-rail fanless embedded system with Intel® Atom™ processor E3827 1.75 GHz and 4 COM ports (-20°C ~ +70°C)
ICO300-E3815-DIO-DC	Robust DIN-rail fanless embedded system with Intel® Atom™ processor E3815 1.46 GHz, 4 COM ports and DIO (-20°C ~ +70°C)
ICO300-E3827-DIO-DC	Robust DIN-rail fanless embedded system with Intel® Atom™ processor E3827 1.75 GHz, 4 COM ports 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	
Wireless (3G/GPRS or Wi-Fi) module	

* Specification and certifications are based on requirements and may vary.

Dimensions



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