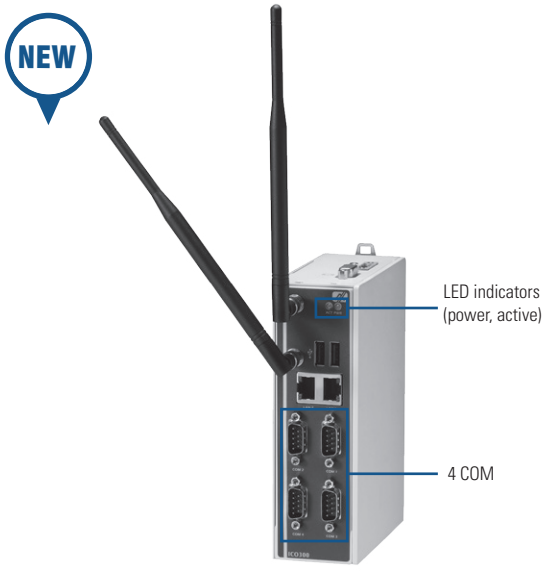
ICO300

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

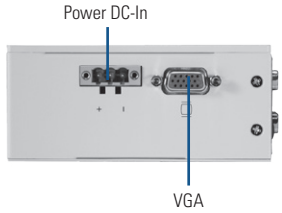


▲ Front view

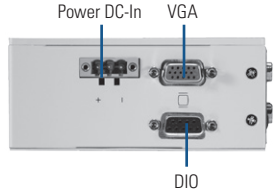
Features

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

▲ Rear view



▲ ICO300



▲ ICO300-DIO

Specifications

Standard Color	White	
Construction	Extruded aluminum and heavy-duty steel, IP40	
CPU	Intel® Atom™ Processor E3815 (1.46GHz) or E3827 (1.75GHz)	
System Board	SBC87842	
System Memory	DDR3L-1066 MHz SO-DIMM up to 4 GB (E3815), up to 8 GB (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	Supports 1 x CF* (or mSATA*) Supports 1 x SATA SSD (or HDD)
	LAN	2 x 10/100/1000 Ethernet
	VGA	1 x DB15 connector
	DIO (ICO300-DIO)	1 x DIO(8 bit programmable DIO, 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 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	12-24V DC-In; ±20% DC Version: OVP, Reverse protection
Operating Temperature	-20°C ~ +70°C (-4°F ~ +158°F)
Storage Temperature	-40°C ~ +85°C (-40°F ~ +185°F)
Humidity	5% ~ 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
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

* mSATA and wireless can be either one.
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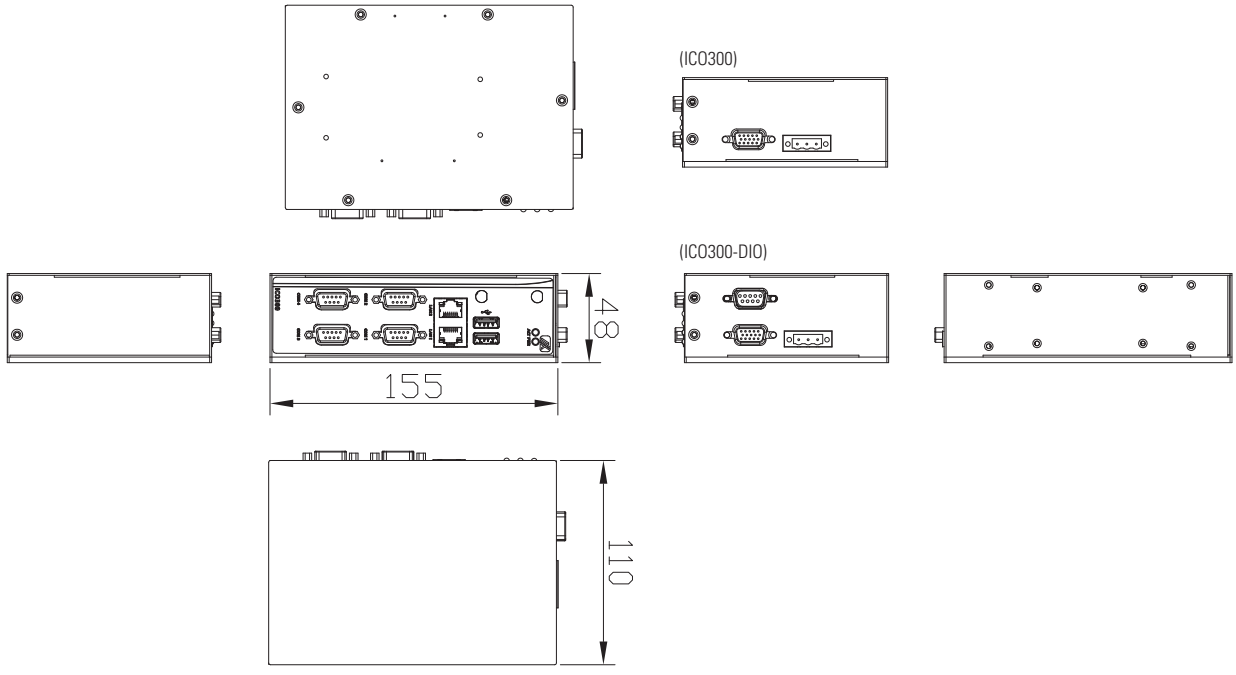
* All specifications and photos are subject to change without notice.

Ordering Information

Standard	
ICO300-E3815	Robust Din-rail fanless embedded system with Intel® Atom™ Processor E3815 1.46 GHz, 4 COM ports (-20°C ~ +70°C)
ICO300-E3827	Robust Din-rail fanless embedded system with Intel® Atom™ Processor E3827 1.75GHz 4 COM ports (-20°C ~ +70°C)
ICO300-E3815-DIO	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	Robust Din-rail fanless embedded system with Intel® Atom™ processor E3827 1.75GHz, 4 COM ports and DIO (-20°C ~ +70°C)

Optional	
CompactFlash™	4 GB or above (with W.T. CF)
2.5" SATA SSD or HDD (with W.T. SSD or HDD)	
DDR3L SODIMM	2 GB ~ 8 GB (with W.T. memory)
Wall Mounting Kit Wireless (3G/GPRS or Wi-Fi) module	

*Specifications and certifications are based on options and may vary.

Dimensions