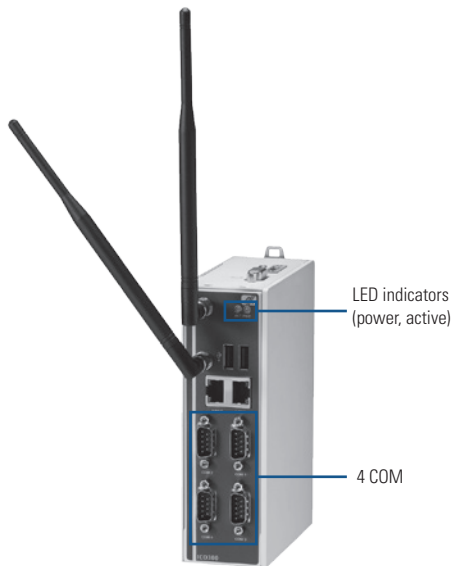


ICO300-DIO

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



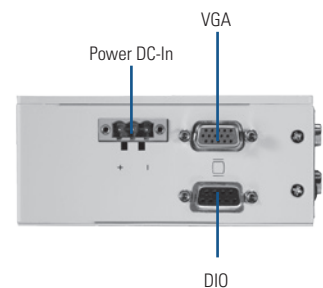
▲ Front view



- ## 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
 - 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



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	<table border="0"> <tr> <td>Serial Port</td> <td>4 x RS-232/422/485 (COM 1-4) Interface select by BIOS Supports Auto Flow Control in RS-485 mode</td> </tr> <tr> <td>USB</td> <td>2 x USB 2.0</td> </tr> <tr> <td>RTC</td> <td>Battery onboard</td> </tr> <tr> <td>Storage</td> <td>Supports 1 x CF* (or mSATA*) Supports 1 x SATA SSD (or HDD)</td> </tr> <tr> <td>LAN</td> <td>2 x 10/100/1000 Ethernet</td> </tr> <tr> <td>VGA</td> <td>1 x DB15 connector</td> </tr> <tr> <td>DIO</td> <td>1 x 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</td> </tr> <tr> <td>Power Input</td> <td>1 x DC power input with terminal block</td> </tr> <tr> <td>Wireless</td> <td>1 x full size Mini Card slot Supports wireless* (3G/GPRS or Wi-Fi) 1 x SIM socket 2 x Antenna</td> </tr> </table>	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	1 x 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
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Watchdog Timer	255 levels, 1-255 sec
System Indicator	Power, Active
Power Supply	12-24V DC-In DC Version: OVP, Reverse protection
Operating Temperature	-20°C ~ +70°C
Storage Temperature	-40°C ~ +85°C
Humidity	5% ~ 95%
Vibration Endurance	2g@5-500Hz, amplitude 0.35 mm (operation/storage/transport)
Weight	1 kg
Certification	CE, FCC
Dimensions	48 x 110 x 155 mm
EOS Support	Windows® 7 Embedded Windows® 8 Embedded Linux support package

* mSATA and wireless can be either one.

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Ordering Information

Standard

IC0300-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)
IC0300-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 Wifi) module	

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

Dimensions

