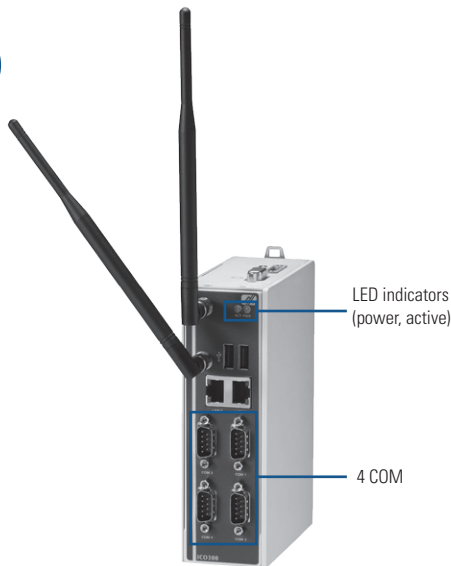


ICO300-MI

Robust Din-rail Fanless Embedded System with Intel® Atom™ Processor E3815 as an Intel® IoT Gateway Solution



▲ Front view

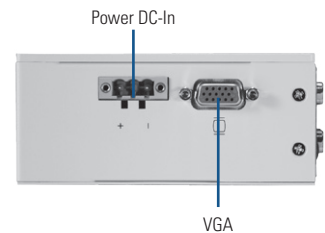


Features

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



▲ Rear view



Introduction

ICO300-MI, an intelligent industrial Intel® Atom-based IoT (Internet of Things) gateway solution. With din-rail, fanless and rugged design, delivering high performance at competitive price. The reliable ICO300-MI is a perfect embedded solution for IoT, industrial and embedded applications such as power plant automation, facility monitoring systems, intelligent transportation systems and other harsh environment.

The application-ready machine to machine platform ICO300-MI supports Intel® Moon Island Gateway solution for the Internet of Things (IoT). Customers could connect their widely distributed systems via wireless network such as 3G/GPRS. It also avails users to manage a variety of systems effortlessly with a wide range of industrial interfaces for both new and existing installation into the Internet of Things environment. It simplifies the development process and deployment of IoT gateways and achieves accelerated business transformation.

Application

Application in IoT home battery controller, intelligence IoT vehicle battery to smart grid, intelligent IoT transportation systems and intelligent IoT plant automation with factory monitoring systems

Specifications

Standard Color	White
Construction	Extruded aluminum and heavy-duty steel, IP40
CPU	Intel® Atom™ Processor E3815 (1.46GHz)
System Board	SBC87842
System Memory	DDR3L-1066 MHz SO-DIMM up to 4 GB (E3815)
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
	Power Input	1 x DC power input with terminal block
	Wireless	1 x full size Mini Card slot Supports wireless* (3G/GPRS) 1 x SIM socket 2 x Antenna
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 (-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		Intel® IoT Gateway Solution

* mSATA and wireless can be either one.

* mSATA and CF can be either one.

Ordering Information

Standard

IC0300-MI	Robust Din-rail fanless embedded system with Intel® Atom™ processor E3815 1.46 GHz, 4 COM ports with Intel® IoT gateway solution (-20°C ~ +70°C)
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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 ~ 4 GB (with W.T. memory)
Wall Mounting Kit	
Wireless (3G/GPRS) module	

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

Dimensions

