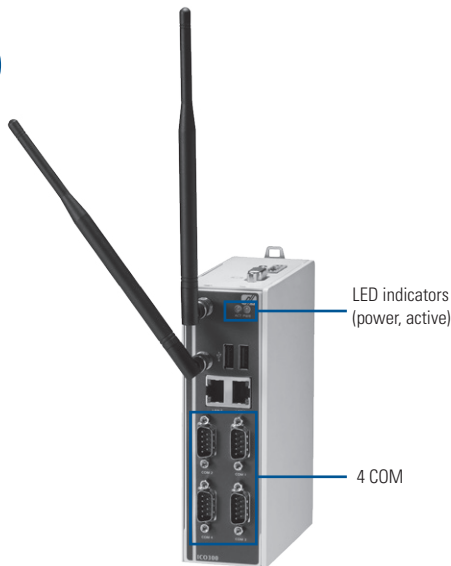
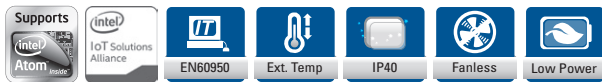


# ICO300-MI

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



▲ Front view

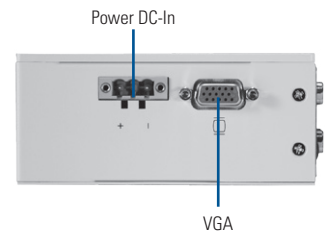


## Features

- Supports Intel® IoT Gateway Solution
- Fanless and robust 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)
- Extended temperature range from -20°C to +70°C
- Wide range 12 - 24V DC-In
- RTC battery support



▲ 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® IoT Gateway Solution. 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.

## 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)

\* mSATA and wireless can be either one.

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## EOS Support

Intel® IoT Gateway Solution  
 Software components content:  
 Wind River Linux OS  
 Wind River IDP & Workbench Tools  
 MACfee Embedded Control

## Benefit of ICO300-MI

### Connectivity

- Pre-integrated connected capabilities enable rich network options to save development time and costs.
- Provides an extensive network of connectivity.

### Security

- Protect devices for trust and control
- Protect the Device
- Product the application
- Protect the data at rest and in flight.

### Manageability

- Enable common provisioning frameworks
- Enable remote secure upgrades
- Provide web-based configuration utilities

## Ordering Information

### Standard

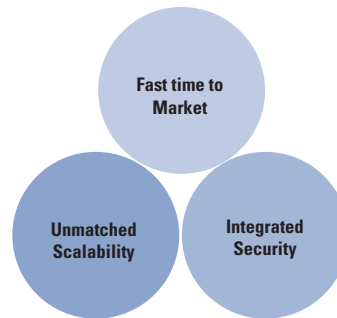
ICO300-MI	Robust Din-rail fanless embedded system with Intel® Atom™ processor E3815 1.46 GHz, 4 COM ports with Intel® IoT gateway solution (-20°C ~ +70°C)
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### Optional

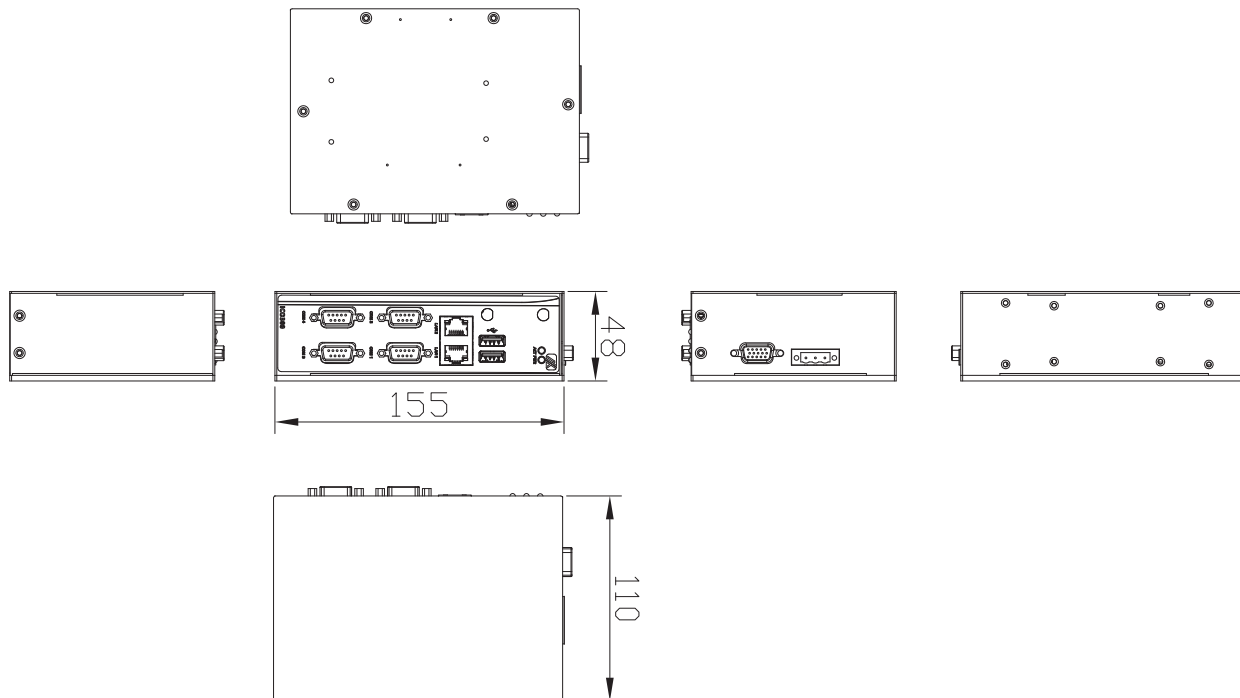
CompactFlash™	4 GB or above (with W.T. CF)
2.5" SATA SSD or HDD (with W.T. SSD or HDD)	
DDR3L SODIMM	2 GB ~ 4 GB (with W.T. memory)
Wall Mounting Kit	
Wireless (3G/GPRS) module	

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

## ICO300-MI for IoT value proposition



## Dimensions



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

