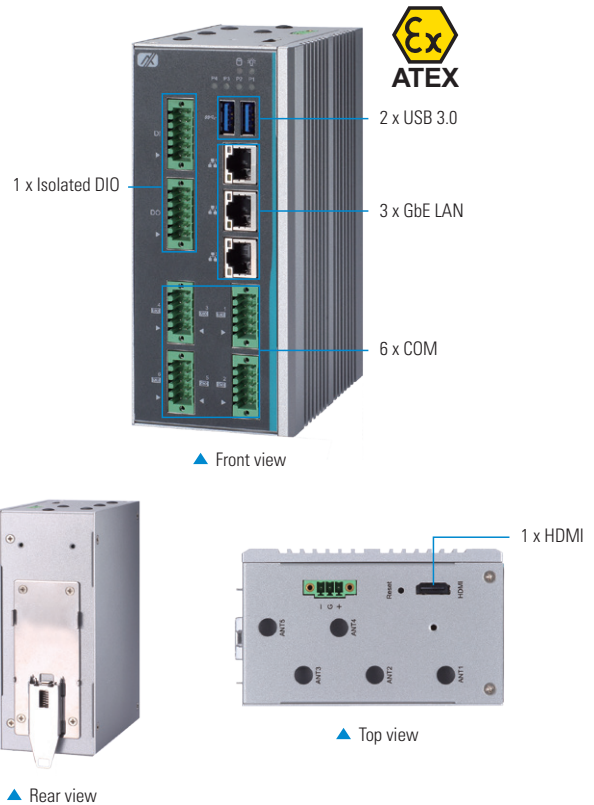# ICO300-83M NEW

ATEX/CID2 Certified DIN-rail Fanless Embedded System with Intel Atom® x5-E3930 Processor, Isolated COM, LAN and DIO

Features

- Cost-effective with fanless design
- Intel Atom® x5-E3930 Processor
- 6 isolated COM, isolated DIO (8-in/8-out), 3 GbE LAN
- Wide operating temperature range from -40°C to +85°C
- 9 to 36 VDC, typical 12-24V power input with OVP, UVP, OCP, RPP
- Supports TPM 2.0
- ATEX/Class I Division 2 (CID2) certified
- Supports cold boot at -40°C

1 x Isolated DIO
2 x USB 3.0
3 x GbE LAN
6 x COM

▲ Front view

1 x HDMI

▲ Top view

▲ Rear view

Fanless | CID2 | Ex ATEX | c UL us LISTED

EN 55032 | Low Power | IP40 | Ext. Temp | Isolation | AMS.AXView

Specifications

Standard Color	Silver		
Construction	Extruded aluminum and heavy-duty steel, IP40		
CPU	Intel Atom® x5-E3930 processor, 1.3GHz/2C/6.5W		
Chipset	SoC integrated		
System Memory	1 x DDR3L-1866 SO-DIMM, up to 8GB		
BIOS	AMI		
TPM	TPM 2.0		
System I/O Outlet	Serial	2 x Isolated* RS-232/422/485 (Phoenix Type) 4 x Isolated* RS-232/422/485 (4-wire, Phoenix Type)	
	Display	1 x HDMI (up to 1920 x 1080 @60Hz)	
	USB	2 x USB 3.0	
	Ethernet	3 x RJ-45 isolated* 10/100/1000 Mbps Ethernet (Intel® i210-IT) *Isolation voltage: 1.5 kV	
	DIO	1 x Isolated 8-in/8-out DIO	
	Others	5 x Antenna opening	
Extension Interface	1 x M.2 Key B 3052: USB3.0 /PCIe 1 x Full-size Rev.1.2 PCI Express Mini Card slot: USB (for LTE/Wi-Fi module) 1 x Half-size Rev.1.2 PCI Express Mini Card slot: USB/mSATA (for mSATA) 2 x SIM slot (1 for M.2; 1 for full-size PCI Express Mini Card)		

Storage	SATA Drive	1 x mSATA (occupied 1 x PCI Express Mini Card slot) 1 x Internal 2.5" SATA drive (9.5 mm height) 1 x 8G eMMC on board
Watchdog Timer	255 levels, 1 to 255 sec.	
Power Supply	1 x Terminal block, 9 to 36 VDC, typical 12/24V	
System Indicators	1 x LED indicator for SATA drive 1 x LED indicator for power 4 x Programable LED	
Operating Temperature	-40°C to +75°C (-40°F to +167°F) Cold boot at -40°C Supports +85°C operating temperature under condition	
Humidity	10% to 95%	
Vibration Endurance	3 Gms with storage (5 to 500Hz, X/Y/Z direction; random, operating)	
Dimensions	66 mm (2.48") (W) x 110 mm (4.33") (D) x 155 mm (6.1") (H)	
Weight (net/gross)	1.0 kg (2.2 lb)/1.50 kg (3.3 lb)	
Certifications	CE (Class A), FCC (Class A)	
EMC	CE/FCC UL, ATEX/Class I Division 2	
EOS Support	Windows® 10 IoT, Linux	

* See Ordering infomation
** Wide Temperature. All W.T. supported products have to be sorted by Axiomtek.

Updated Aug. 02, 2021.   * All specifications and photos are subject to change without notice.   www.axiomtek.com

Ordering Information

Standard

ICO300-83M	ATEX/CID2 Certified DIN-rail Fanless Embedded System with Intel Atom® x5-E3930 Processor, Isolated COM, LAN and DIO

Dimensions