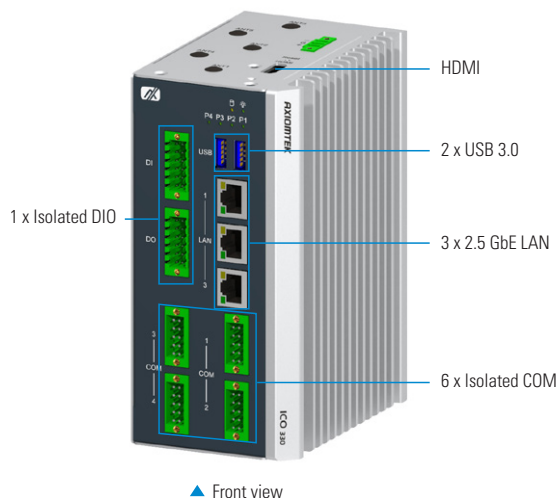# ICO330 NEW

DIN-rail Fanless Embedded System with Intel Atom® x6212RE or x6414RE Processor, 3 LAN, Isolated COM and DIO

Features

- Cost-effective with fanless design
- Intel Atom® x6212RE or x6414RE processor
- 6 isolated COM, isolated DIO (8-in/8-out), 3 2.5 GbE LAN
- Wide operating temperature range from -40°C to +70°C
- 9 to 36 VDC, typical 12-24V power input with OVP, UVP, OCP, RPP
- Supports TPM 2.0
- Supports cold boot at -40°C

HDMI
2 x USB 3.0
3 x 2.5 GbE LAN
6 x Isolated COM
1 x Isolated DIO

▲ Front view

EN 55035	Low Power	IP40	Ext. Temp	Isolation	Fanless

Specifications

Standard Color	Silver	
Construction	Extruded aluminum and heavy-duty steel, IP40	
CPU	Intel Atom® x6212RE processor, 1.2GHz/2C/6W Intel Atom® x6414RE processor, 1.5GHz/4C/9W	
Chipset	SoC integrated	
System Memory	1 x DDR4-3200 SO-DIMM, up to 32GB	
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) Isolation voltage: 1.5 kV
	Display	1 x HDMI (up to 1920 x 1080 @60Hz)
	USB	2 x USB 3.0
	Ethernet	3 x RJ-45 isolated 2.5 GbE LAN (Intel® i226-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 (USB 3.0, PCIe; for 5G & NVMe) (optional) 1 x Full-size Rev.1.2 PCI Express Mini Card slot: USB, PCIe (for LTE/Wi-Fi module) 1 x Half-size Rev.1.2 PCI Express Mini Card slot: USB/mSATA (for Wi-Fi/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 +70°C (-40°F to +158°F) Cold boot at -40°C	
Humidity	10% to 95%	
Vibration Endurance	3 Gms with storage (5 to 500Hz, X/Y/Z direction; random, operating)	
Dimensions (TBC)	72 mm (W) x 110 mm (D) x 155 mm (H)	
Weight (net/gross) (TBC)	1.0 kg (2.2 lb)/1.50 kg (3.3 lb)	
Certifications	CE (Class A), FCC (Class A)	
EMC	CE/FCC	
EOS Support	Windows® 10 IoT, Linux	

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

* All specifications and photos are subject to change without notice.   www.axiomtek.com

Ordering Information

ICO330	DIN-rail fanless embedded system with Intel Atom® x6212RE or x6414RE processor, 3 LAN, isolated COM and DIO

Dimensions (TBC)