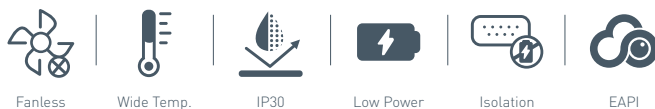
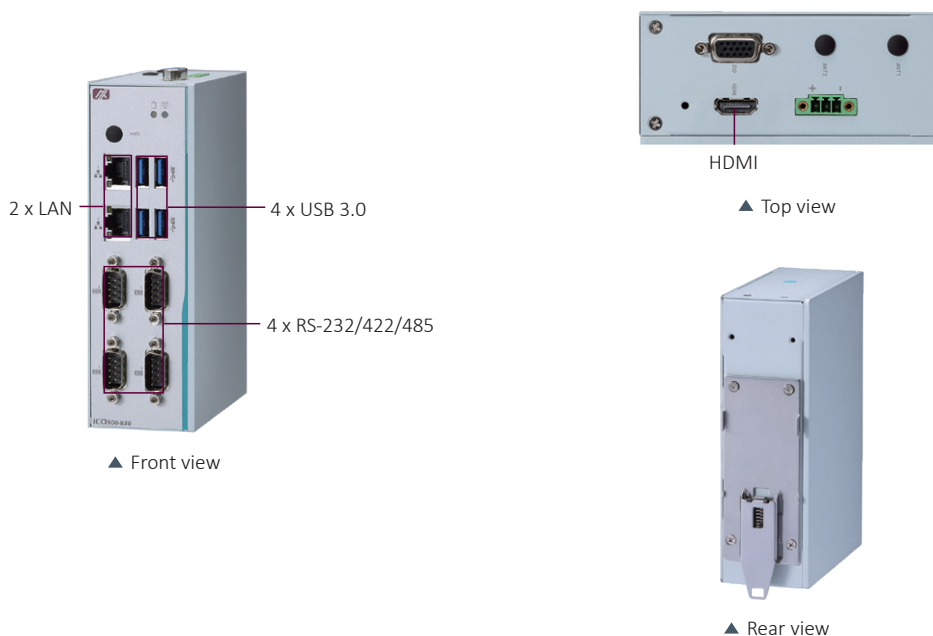


IC0300-83B

Robust DIN-Rail Fanless Embedded System with Intel® Celeron® Processor N3350/Pentium® Processor N4200, Isolated COM, LAN and DIO



Features

- Cost-effective, fanless, and cable-free design
- Intel® Celeron® processor N3350/Pentium® processor N4200, reliable F1 stepping version CPU
- 4 isolated COM, 4 USB, and 2 GbE LAN
- 8-bit programmable DIO for IoT gateway applications
- Wide operating temperature range from -40°C to +70°C
- 12 to 24 VDC wide range power input
- OVP, UVP, OCP, RPP power protection design
- Axiomtek EAPI middleware service package for IIoT remote management

Specifications

Standard Color	Silver
Construction	Extruded aluminum and heavy-duty steel, IP30
CPU	Intel® Celeron® N3350 2C @1.1 GHz, TDP: 6W Intel® Pentium® N4200 4C @1.1 GHz, TDP: 6W
Chipset	SoC integrated
System Memory	1 x DDR3L-1600 SO-DIMM, up to 8GB
BIOS	AMI
TPM	TPM 2.0

Specifications

System I/O Outlet	Serial	4 x DB9 Isolated RS-232/422/485 (ICO300-83B-4COM) 2 x DB9 Isolated RS-232/422/485 (ICO300-83B-2COM)
	Display	1 x HDMI (up to 1920 x 1200 @60Hz)
	USB	4 x USB 3.0
	Ethernet	2 x RJ-45 isolated* 10/100/1000 Mbps Ethernet (Intel® I210-IT) *Isolation voltage: 1.5 kV
	DIO	1 x DB9 8-bit programmable DIO
	Others	3 x Antenna opening
Extension Interface	2 x Full-size Rev. 1.2 PCI Express Mini Card slot: • 1 x USB/PCIe with SIM socket • 1 x mSATA/USB/PCIe	
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)
Watchdog Timer	255 levels, 1 to 255 sec.	
Power	Power Supply	1 x Terminal block, 12 to 24 VDC
	Power Consumption	12 to 24VDC, 2.82 to 1.34A
System Indicator	1 x LED indicator for SATA drive activity 1 x LED indicator for power	
Operating Temperature	-40°C to +70°C (-40°F to +158°F) with W.T. peripheral**	
Relative Humidity	0% to 95% relative humidity, non-condensing	
Vibration Endurance	3 Gms with storage (5 to 500Hz, X/Y/Z direction; random, operating)	
Weight (net/gross)	1.0 kg (2.2 lb)/1.5 kg (3.3 lb)	
Certifications	CE (Class A), FCC (Class A)	
EMC	CE/FCC	EN 55032 (Class A), EN 55024, FCC part 15 B (Class A)
Dimensions (W x D x H)	48 x 110 x 155 mm (1.88" x 4.33" x 6.1")	
EOS Support	Windows® 10 IoT, Linux	
Software Support	Axiomtek EAPI	

* See Ordering information

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

Ordering Information

Standard

ICO300-83B-N3350-4ICOM / 4COM-HDMI-DIO-WT-DC (P/N: E22C300144) for Isolation COM (P/N: E22C300146) for Non-Isolation COM	DIN-rail fanless embedded system with Intel® Celeron® processor N3350 (1.1 GHz), 4 COM, 2 GbE, 4 USB, HDMI, DIO, and TPM 2.0 N3350 CPU SKUs
ICO300-83B-N4200-4ICOM / 4COM-HDMI-DIO-WT-DC (P/N: E22C300147) for Isolation COM (P/N: E22C300145) for Non-Isolation COM	DIN-rail fanless embedded system with Intel® Pentium® processor N4200 (1.1 GHz), 4 COM, 2 GbE, 4 USB, HDMI, DIO, and TPM 2.0 N4200 CPU SKUs
ICO300-83B-N3350-2COM-2CAN-HDMI-DIO-WT (P/N: E22C300149) for Non-Isolation COM	DIN-rail fanless embedded system with Intel® Celeron® processor N3350 (1.1 GHz), 2 COM, 2 CAN, 2 GbE, 4 USB, HDMI, DIO, and TPM 2.0

*4ICOM: with 4 x Isolation COM ports

*4COM: with 4 x Non-Isolation COM ports



Packing List

- 1 x DIN-rail kit
- 1 x DRAM thermal pad
- 1 x SATA cable with power
- 1 x 3-pin terminal block connector for power DC-in
- 1 x Tie cable for fix HDMI cable
- 1 x L Type bracket for fix HDMI cable

Dimensions

