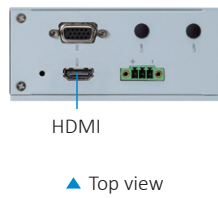
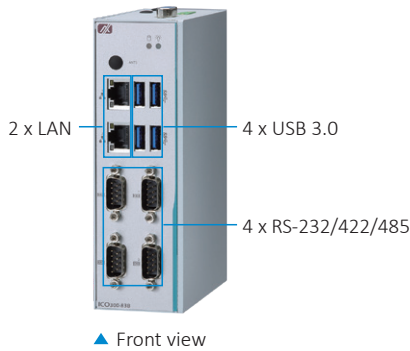


# ICO300-83B

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



## Features

- Cost-effective with fanless and cableless design
- Intel® Celeron® processor N3350/Pentium® processor N4200, reliable F1 stepping version CPU
- 4 isolated COM, 4 USB, 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
- eAPI intelligent remote monitoring software for IIoT



## Specifications

Standard Color	Silver	
Construction	Extruded aluminum and heavy-duty steel, IP30	
CPU	Intel® Celeron® N3350 2C @1.1 GHz, TDP: 6W Intel® Celeron® 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	
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	12 to 24VDC, 2.82-1.34A
	Consumption	
System Indicator	1 x LED indicator for SATA drive activity	
	1 x LED indicator for power	

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## Specifications

Operating Temperature	-40°C to +70°C (-40°F to +158°F) with W.T. peripheral**	
Humidity	0% to 95%	
Vibration Endurance	3 Gms with storage (5 to 500Hz, X/Y/Z direction; random, operating)	
Weight (net/gross)	1.0 kg (2.2 lb)/1.50 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	48 mm (1.88") (W) x 110 mm (4.33") (D) x 155 mm (6.1") (H)	
EOS Support	Windows® 10 IoT, Linux	
Software Support	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 (1.1GHz), 4 COM, 2 GbE, 4 USB, HDMI, DIO, 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® Celeron® Processor N4200 (1.1GHz), 4 COM, 2 GbE, 4 USB, HDMI, DIO, 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 N4200 (1.1GHz), 2 COM, 2 CAN, 2 GbE, 4 USB, HDMI, DIO, TPM 2.0	

\*4ICOM: with 4 x Isolation COM ports

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

### Optional

AC to DC Adapter	50956A24040E	Adapter 12V36W FSP036-RHBN3 with wire type
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\* Specifications and certifications may vary based on different requirements.

## 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

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## Dimensions

