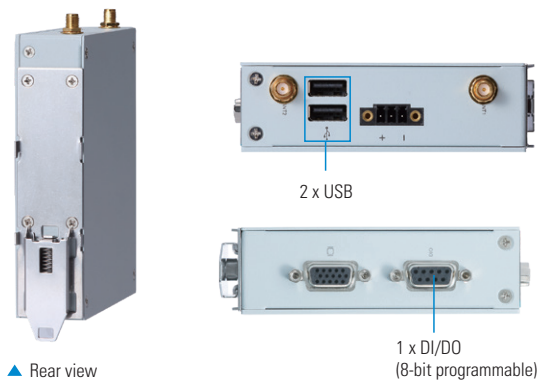


ICO120-83D

Robust DIN-Rail Fanless Embedded System with Intel® Celeron® Processor N3350, COM or CAN, 2 LAN, 2 USB and DIO

Features

- Extreme cost-effective with fanless and cableless design
- Intel® Celeron® processor N3350, reliable F1 stepping version CPU
- 1 COM or CAN, 2 USB, 2 GbE LAN
- 8-bit programmable DIO for IoT gateway applications
- Wide operating temperature range from -20°C to +70°C
- 12 to 24 VDC wide range power input
- OVP, UVP, OCP, RPP power protection design
- Supports SocketCAN
- Microsoft Azure IoT Edge certified



Specifications

Standard Color	Sliver	
Construction	Extruded aluminum and heavy-duty steel, IP30	
CPU	Intel® Celeron® N3350 2C @1.1 GHz, TDP: 6W	
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	1 x DB9 RS-232/422/485*
	CAN	1 x DB9 CANBus 2.0 A/B, supports SocketCAN*
	Display	1 x VGA
	USB	2 x USB 2.0
	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	2 x Antenna opening
	Extension Interface	1 x Full-size Rev. 1.2 PCI Express Mini Card slot: • USB/PCIe with SIM socket 1 x Half-size Rev. 1.2 PCI Express Mini Card slot: • mSATA/USB/PCIe

Storage	SATA Drive	1 x mSATA (occupied 1 PCI Express Mini Card slot)
	eMMC	Optional
Watchdog Timer	255 levels, 1 to 255 sec.	
Power	Power Supply	1 x Terminal block, 12 to 24 VDC
	Power Consumption	12 to 24 VDC, 1.39-0.72A
System Indicator	1 x LED indicator for SATA drive activity 1 x LED indicator for power	
Operating Temperature	-20°C to +70°C (-4°F to +158°F) with W.T. peripheral**	
Humidity	0% to 95%, non-condensing	
Vibration Endurance	2 Gms with storage (5 to 500Hz, X/Y/Z direction; random, operating)	
Weight (net/gross)	0.3 kg (0.67 lb)/0.45 kg (0.99 lb)	
Certifications	CE (Class A), FCC (Class A)	
EMC	CE/FCC	EN 55032 (Class A), EN 55024, FCC part 15 B (Class A)
Dimensions	31 mm (1.22") (W) x 100 mm (3.93") (D) x 125 mm (4.92") (H)	
EOS Support	Windows® 10 IoT, Linux	

* See Ordering information

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

Ordering Information

Standard	
ICO120-83D-N3350-COM-DIO-DC (P/N: E22C120106)	DIN-rail fanless embedded system with Intel® Celeron® N3350 processor, 1 COM, 2 LAN, 2 USB, 1 DIO and TPM 2.0
ICO120-83D-N3350-CAN-DIO-DC (P/N: E22C120107)	DIN-rail fanless embedded system with Intel® Celeron® N3350 processor, 1 CANbus 2.0 A/B, 2 LAN, 2 USB, 1 DIO, TPM 2.0, and SocketCAN supported
ICO120-83D-N3350-COM-DIO-DC-WT (P/N: E22C120108)	DIN-rail fanless embedded system with Intel® Celeron® N3350 processor, 1 COM, 2 LAN, 2 USB, 1 DIO, and TPM 2.0 (-40°C to 70°C)

Dimensions

