

ICO120-E3350

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

ICO120-E3350-F:



Features

- Extremely cost-effective, featuring a fanless and cableless design
- Intel® Celeron® processor N3350, featuring the reliable F1 stepping version CPU
- Supports COM/CAN/DIO, 2 USB, and 2 GbE LAN ports
- Wide operating temperature range from -40°C to +70°C
- 9 to 36 VDC wide range power input (typical: 12 to 24 VDC)
- OVP, UVP, OCP, RPP power protection design
- Axiomtek EAPI for intelligent remote monitoring software integration

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-1600 SO-DIMM, up to 8GB
BIOS	AMI

Specifications

System I/O Outlet	DB9 Port	Selection for 2 of DB9: COM (RS-232/422/485) DIO (8-bit Programmable DIO) CAN (CAN 2.0 A/B, 1 Mbps bitrate with SocketCAN & J1939 supported) For ICO120-E3350-F: 2 x COM (RS-232/422/485) 1 x DIO (8-bit programmable DIO)
	Display	1 x HDMI
	USB	2 x USB 2.0
	Ethernet	2 x RJ-45 GbE LAN (Intel® I210-IT) with an isolation voltage of 1.5 kV
	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 x PCI Express Mini Card slot)
	eMMC	Optional
Watchdog Timer	255 levels, 1 to 255 sec.	
Power Supply	1 x Terminal block, 9 to 36 VDC (typical: 12 to 24 VDC)	
System Indicator	1 x LED indicator for SATA drive activity 1 x LED indicator for power	
TPM	TPM 2.0	
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	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) For ICO120-E3350-F:	
	0.4 kg (0.88 lb)/0.5 kg (1.10 lb)	
Certifications	CE (Class A), FCC (Class A), UL EN 55032 (Class A), EN 55035 FCC part 15 B (Class A) UL	
EMC	CE/FCC	EN 55035 (Class A), FCC part 15 B (Class A)
Dimensions (W x D x H)	31 x 100 x 125 mm (1.22" x 3.93" x 4.92")	
	For ICO120-E3350-F: 48 x 100 x 125 mm (1.89" x 3.93" x 4.92")	
EOS Support	Windows® 10 IoT, Linux	
Software Support	Axiomtek EAPI	

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

Ordering Information

ICO120-E3350-A (P/N: E22C120114)	DIN-rail fanless embedded system with Intel® Celeron® processor N3350, 2 COM, 2 GbE LAN, and 2 USB
ICO120-E3350-B (P/N: E22C120115)	DIN-rail fanless embedded system with Intel® Celeron® processor N3350, 1 COM, DIO, 2 GbE LAN, and 2 USB
ICO120-E3350-C (P/N: E22C120116)	DIN-rail fanless embedded system with Intel® Celeron® processor N3350, 1 COM, 1 CAN, 2 GbE LAN, and 2 USB
ICO120-E3350-E (P/N: E22C120117)	DIN-rail fanless embedded system with Intel® Celeron® processor N3350, 1 CAN, 1 DIO, 2 GbE LAN, and 2 USB
ICO120-E3350-F (P/N: E22C120120)	DIN-rail fanless embedded system with Intel® Celeron® processor N3350, 2 COM, DIO, 2 GbE LAN, and 2 USB

Packing List

1 x DRAM thermal pad
1 x 3-pin terminal block connector for power DC-in
1 x DIN-rail kit



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