

# IC0320-83C

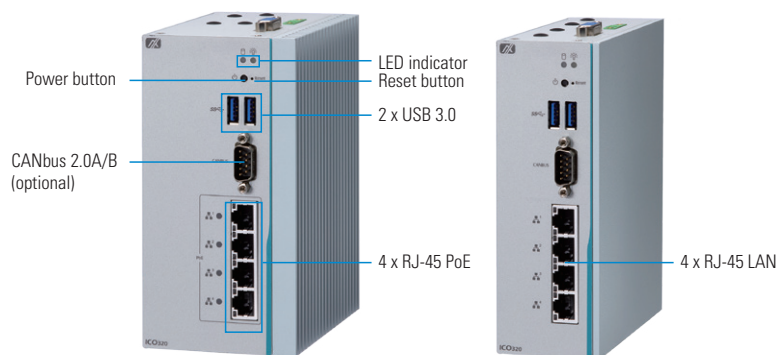
Robust DIN-rail Fanless Embedded System with Intel® Celeron® Processor N3350, COM or CAN, PoE LAN and DIO

## Features

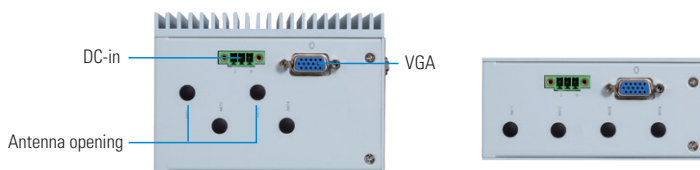
- Cost-effective with fanless and cableless design
- Intel® Pentium® processor N4200 (1.1GHz)/ Intel® Celeron® processor N3350 (1.1GHz)
- 4 RJ-45 Gigabit PoE ports
- 8-bit programmable DIO for IoT gateway applications
- Wide operating temperature range from -40°C to +70°C
- 12 to 24 VDC wide range power input
- OVP, UVP, OCP, RVP power protection
- AMS.AXView intelligent remote monitoring software for IIoT



▲ Bottom view



▲ Front view



▲ Top view (PoE version)



▲ Top view (LAN version)

## Specifications

Standard Color	Silver
Construction	Aluminum extrusion and heavy-duty steel, IP40
CPU	Intel® Pentium® processor N4200 4C@1.1 GHz, TDP: 6W (by request) Intel® Celeron® processor N3350 2C@1.1 GHz, TDP: 6W
Chipset	SoC integrated
System Memory	1 x DDR3L-1866 SO-DIMM slot, up to 8GB
LED indicator	1 x green power LED 1 x yellow SATA & mSATA active LED
BIOS	AMI
System I/O Outlet	Serial 2 x DB9 serial console or RS-232/422/485 (IC0320-2COM) 1 x DB9 serial console or RS-232/422/485 (IC0320-COM-CAN) RTC Battery onboard USB 2 x USB 3.0 Storage 1 x Half-size mSATA (occupied 1 PCIe Mini Card slot, mSATA/wireless module either one) 1 x 2.5" SATA SSD/HDD LAN 4 x RJ-45 LAN (Intel® i211-AT for IC0320-83C) (Intel® i210-IT for IC0320-83C-WT) PoE PoE power output max. 30W 802.3af class 2, 7.5W, max. 4 ports 802.3af class 3, 15.4W, max. 2 ports 802.3at class 4, 30W, max. 1 port Display 1 x VGA DIO 1 x DB9 8bit 5V TTL DIO(8-bit programmable, optional) CAN 1 x DB9 CANBus 2.0 A/B (IC0320-COM-CAN) Power Input 1 x DC power input with terminal block

Expansion Interface	1 x half-size Rev.1.2 PCI Express Mini Card slot: mSATA/USB/PCIe 1 x full-size Rev.1.2 PCI Express Mini Card slot: USB/PCIe with SIM socket
Watchdog Timer	255 levels, 1 to 255 sec.
Power Supply	PoE version: 12 to 24 VDC, 4.89 to 2.45A (58.68W to 58.88W) LAN version: 12 to 24 VDC, 2.40 to 1.21A (28.80W to 29.04W) Protection: OVP (±20%), reverse protection, UVP, OCP, RPP
Power Consumption	12V - 24 V, 1.6A - 0.81A (IC0320-4LAN) 12V - 24 V, 4.05A - 2.05A (IC0320-4POE)
Operating Temperature	-40°C to +70°C (-40°F to +158°F)
Humidity	5% to 95%, non-condensing
Vibration Endurance	2 Grms with SSD (5 to 500Hz, random wave) 2 Grms with HDD (10 to 150Hz, sine wave)
Dimensions	48 mm (1.88") (W) x 110 mm (4.33") (D) x 155 mm ( 6.1") (H) (IC0320-4LAN) 77 mm (3.03") (W) x 110 mm (4.33") (D) x 155 mm ( 6.1") (H) (IC0320-4POE)
Weight (net/gross)	PoE version: 1.2 kg (2.2 lb)/1.70 kg (3.3 lb) LAN version: 1.0 kg (2.2 lb)/1.50 kg (3.3 lb)
Certifications	CE, FCC
EOS Support	Windows® 10 IoT, Linux support package(by request)
Software Support	AMS.AXView

## Ordering Information

### Standard

IC0320-83C-N3350-4POE-CAN-WT-DC (P/N: E22C320103)	Robust DIN-rail fanless embedded system with Intel® Celeron® processor N3350 (1.1 GHz), 1 COM, 1 CAN, 4 PoE, 2 USB and VGA (-40°C to +70°C)
IIC0320-83C-N3350-4POE-WT-DC (P/N: E22C320102)	Robust DIN-rail fanless embedded system with Intel® Celeron® processor N3350 (1.1 GHz), 2 COM, 4 PoE, 2 USB and VGA (-40°C to +70°C)
IC0320-83C-N3350-4LAN-CAN-WT-DC (P/N: E22C320101)	Robust DIN-rail fanless embedded system with Intel® Celeron® processor N3350 (1.1 GHz), 1 COM, 1 CAN, 4 GbE LAN, 2 USB and VGA (-40°C to +70°C)
IC0320-83C-N3350-4LAN-WT-DC (P/N: E22C320100)	Robust DIN-rail fanless embedded system with Intel® Celeron® processor N3350 (1.1 GHz), 2 COM, 4 GbE LAN, 2 USB and VGA (-40°C to +70°C)

\* Specifications and certifications may vary based on different requirements.

## Dimensions

