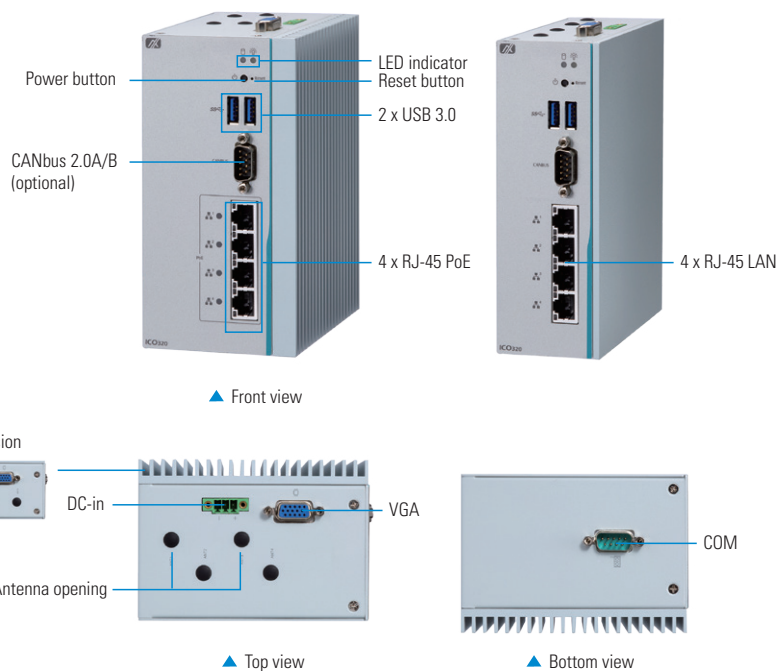


# IC0320-83C

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® Celeron® processor N3350
- 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
- AXView 2.0 intelligent remote monitoring software for IIoT



## Specifications

Standard Color	Silver
Construction	Aluminum extrusion and heavy-duty steel, IP40
CPU	Intel® Celeron® processor N3350 (1.1 GHz, Dual Core)
Chipset	SoC integrated
System Memory	1 x DDR3L SO-DIMM slot, up to 8GB
LED indicator	1 x System power 1 x HDD active 4 x PoE power #1 to #4 (optional)
BIOS	AMI
System I/O Outlet	Serial 2 x RS-232/422/485 Interface select by BIOS Supports Auto Flow Control in RS-485 mode RTC Battery onboard USB 2 x USB 3.0 Storage 2.5" SATA drive (9.5 mm height) Half-size mSATA shared with mPCIe slot LAN 4 x RJ-45 LAN 4 x RJ-45 gigabit PoE (optional); 802.3at 30W by 4 ports (Intel® i211-AT for IC0320-83C) (Intel® i210-IT for IC0320-83C-WT) Display 1 x VGA DIO 1 x DI/DO (8-bit programmable, DB9 female connector, optional) Voltage is 5V TTL-level Programming: I/O sink current is 10mA (max.) Input/output can be programming CAN 1 x CAN 2.0 A/B (DB9 connector) (optional) Power Input 1 x DC power input with terminal block

Expansion Interface	1 x Full-size PCI Express Mini Card slot with SIM slot (for wireless module ) 1 x Half-size PCI Express Mini Card slot with mSATA (for wireless module or half size mSATA)
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	PoE power output maximum 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
Operating Temperature	-20°C to +70°C (-4°F to +158°F) IC0320-83C-WT: -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	PoE version: 79 mm (3.11") (W) x 110 mm (4.33") (D) x 155 mm (6.1") (H) LAN version: 48 mm (1.88") (W) x 110 mm (4.33") (D) x 155 mm (6.1") (H)
Weight	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, AXView 2.0 Linux support package(by request)

## Ordering Information

Standard	
IC0320-83C-N3350-4POE-CAN-DC	Robust DIN-rail fanless embedded system with Intel® Celeron® processor N3350 (1.1 GHz), 1 COM + 1 CAN, PoE, 2 USB and VGA (-20°C to +70°C)
IC0320-83C-N3350-4POE-DC (P/N: E22C320104)	Robust DIN-rail fanless embedded system with Intel® Celeron® processor N3350 (1.1 GHz), 2 COM, 4 PoE, 2 USB and VGA (-20°C to +70°C)
IC0320-83C-DIO-N3350-4POE-DC	Robust DIN-rail fanless embedded system with Intel® Celeron® processor N3350 (1.1 GHz), 2 COM, 4 PoE, 2 USB, VGA and 8-bit 5V TTL DIO (-20°C to +70°C)
IC0320-83C-N3350-4LAN-CAN-DC	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 (-20°C to +70°C)
IC0320-83C-N3350-4LAN-DC	Robust DIN-rail fanless embedded system with Intel® Celeron® processor N3350 (1.1 GHz), 2 COM, 4 GbE LAN, 2 USB and VGA (-20°C to +70°C)

IC0320-83C-DIO-N3350-4LAN-DC	Robust DIN-rail fanless embedded system with Intel® Celeron® processor N3350 (1.1 GHz), 2 COM, 4 GbE LAN, 2 USB, VGA and 8-bit 5V TTL DIO (-20°C to +70°C)
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)
IC0320-83C-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

