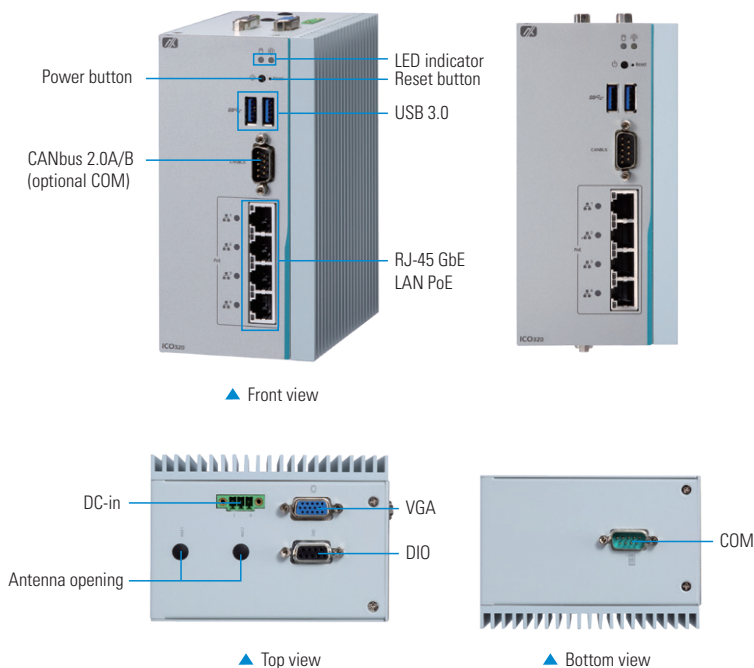


# IC0320-83C NEW

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 GbE PoE ports
- 8-bit programmable DIO for IoT gateway applications
- Wide operating temperature range from -40°C to +70°C
- 12 ~ 24 VDC wide range power input
- OVP, UVP, OCP, RVP power protection
- AXView 2.0 intelligent embedded 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 Port	2 x RS-232/422/485 (COM 1-2) Interface select by BIOS Supports Auto Flow Control in RS-485 mode
	CAN	1 x CAN 2.0 A/B (DB9 connector) (optional)
	USB	2 x USB 3.0
	RTC	Battery onboard
	Storage	2.5" 7/9.5 mm SATA drive Half-size mSATA shared with mPCIe slot
	LAN	4 x RJ-45 PoE GbE (802.3at 30W by 4 port, optional) (Intel® i211-AT for IC0320-83C) (Intel® i210-IT for IC0320-83C-WT)
	Display	1 x VGA
	DIO (IC0320-83C-DIO)	1 x DI/DO (8-bit programmable, DB9 female connector) Voltage is 5V TTL-level Input/Output is programmable (Per-bit) I/O sink/source current is 10mA max. (Per-bit)
	Power Input	1 x DC power input with terminal block

Watchdog Timer	255 levels, 0 ~ 255 seconds/minutes
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 (for wireless module or half size mSATA)
Power Supply	PoE Version: 12 ~ 24 VDC, 4.89 ~ 2.45A (58.68W~ 58.88W) LAN Version: 12 ~ 24 VDC, 2.40 ~ 1.21A (28.80W~ 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 ~ +70°C (-4°F ~ +158°F) IC0320-83C-WT: -40°C ~ +70°C (-40°F ~ +158°F)
Humidity	5% ~ 95%, non-condensing
Vibration Endurance	2 Grms w/SSD (5 ~ 500Hz, random wave) 2 Grms w/HDD (10 ~ 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)
Certificate	CE, FCC
EOS support	Windows® 10 IoT Linux support package(By Request) AXView 2.0

## Ordering Information

Standard	
IC0320-83C-N3350-4POE-CAN-DC 2018 Q3 available	Robust DIN-rail fanless embedded system with Intel® Celeron® processor N3350 (1.1 GHz), 1 COM + 1 CAN, 4 RJ-45, GbE LAN (PoE), 2 USB and VGA (-20°C ~ +70°C)
IC0320-83C-N3350-4POE-DC 2018 Q3 available	Robust DIN-rail fanless embedded system with Intel® Celeron® processor N3350 (1.1 GHz), 2 COM, 4 RJ-45, GbE LAN (PoE), 2 USB and VGA (-20°C ~ +70°C)
IC0320-83C-DIO-N3350-4POE-DC 2018 Q3 available	Robust DIN-rail fanless embedded system with Intel® Celeron® processor N3350 (1.1 GHz), 2 COM, 4 RJ-45, GbE LAN (PoE), 2 USB, VGA and 8-bit 5V TTL DIO (-20°C ~ +70°C)
IC0320-83C-N3350-4LAN-CAN-DC 2018 Q3 available	Robust DIN-rail fanless embedded system with Intel® Celeron® processor N3350 (1.1 GHz), 1 COM + 1 CAN, 4 RJ-45, GbE LAN, 2 USB and VGA (-20°C ~ +70°C)
IC0320-83C-N3350-4LAN-DC 2018 Q3 available	Robust DIN-rail fanless embedded system with Intel® Celeron® processor N3350 (1.1 GHz), 2 COM, 4 RJ-45, GbE LAN, 2 USB and VGA (-20°C ~ +70°C)

IC0320-83C-DIO-N3350-4LAN-DC (2018 Q3 available)	Robust DIN-rail fanless embedded system with Intel® Celeron® processor N3350 (1.1 GHz), 2 COM, 4 RJ-45, GbE LAN, 2 USB, VGA and 8-bit 5V TTL DIO (-20°C ~ +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 RJ-45, GbE LAN (PoE), 2 USB and VGA (-40°C ~ +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 RJ-45, GbE LAN (PoE), 2 USB and VGA (-40°C ~ +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 RJ-45, GbE LAN (PoE), 2 USB and VGA (-40°C ~ +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 RJ-45, GbE LAN (PoE), 2 USB and VGA (-40°C ~ +70°C)

## Dimensions

