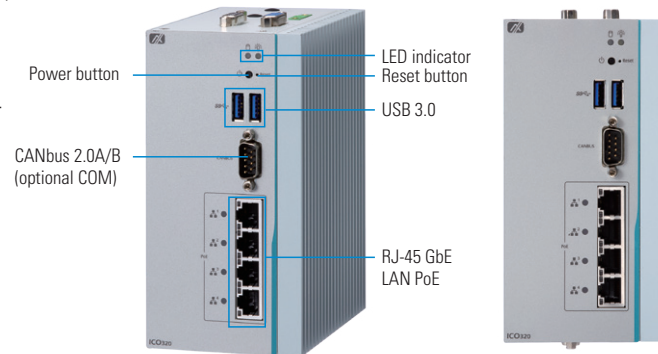


IC0320-83C NEW

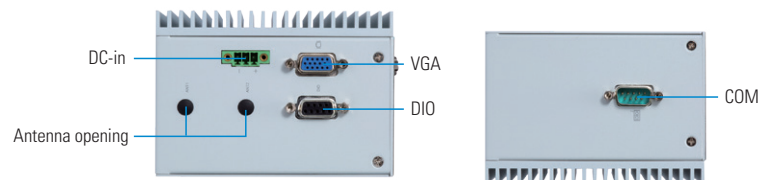
Robust DIN-rail Fanless Embedded System with Intel® Celeron® Processor N3350/ Pentium® Processor N4200, COM or CAN, PoE LAN and DIO

Features

- Cost-effective with fanless and cableless design
- Intel® Celeron® processor N3350/Pentium® processor N4200 (optional)
- 4 RJ-45 GbE PoE ports
- 8-bit programmable DIO for IoT gateway applications (optional)
- Wide operating temperature range from -40°C to +70°C
- 12 ~ 24 VDC wide range power input
- OVP, UVP, OCP, RPP power protection design
- AXView 2.0 intelligent embedded monitoring software for IIoT



▲ Front view



▲ Top view

▲ Bottom view



Specifications

Standard Color	Silver																		
Construction	Aluminum extrusion and heavy-duty steel, IP40																		
CPU	Intel® Celeron® processor N3350 (1.1 GHz, Dual Core) Intel® Pentium® processor N4200 (1.1 GHz, Quad Core) (By request)																		
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	<table border="0"> <tr> <td>Serial Port</td> <td>2 x DB9 RS-232/422/485</td> </tr> <tr> <td>CAN</td> <td>1 x CAN 2.0 A/B (DB9 connector) (optional)</td> </tr> <tr> <td>USB</td> <td>2 x USB 3.0</td> </tr> <tr> <td>RTC</td> <td>Battery onboard</td> </tr> <tr> <td>Storage</td> <td>1 x half-size mSATA</td> </tr> <tr> <td>LAN</td> <td>4 x RJ-45 PoE GbE (802.3at 30W by 4 port, optional) (Intel® i211AT for IC0320-83C) (Intel® i210IT for IC0320-83C-WT)</td> </tr> <tr> <td>Display</td> <td>1 x VGA</td> </tr> <tr> <td>DIO (IC0320-83B-DIO)</td> <td>1 x DI/DO (8-bit programmable, DB9 female connector) Voltage is 5V TTL-level ESD protection corresponds to IEC6100-4-2 (± 8KV (Air); ± 4KV (contact)) Programming: I/O sink current is 10mA (max.) Input/output can be programming</td> </tr> <tr> <td>Power Input</td> <td>1 x DC power input with terminal block</td> </tr> </table>	Serial Port	2 x DB9 RS-232/422/485	CAN	1 x CAN 2.0 A/B (DB9 connector) (optional)	USB	2 x USB 3.0	RTC	Battery onboard	Storage	1 x half-size mSATA	LAN	4 x RJ-45 PoE GbE (802.3at 30W by 4 port, optional) (Intel® i211AT for IC0320-83C) (Intel® i210IT for IC0320-83C-WT)	Display	1 x VGA	DIO (IC0320-83B-DIO)	1 x DI/DO (8-bit programmable, DB9 female connector) Voltage is 5V TTL-level ESD protection corresponds to IEC6100-4-2 (± 8KV (Air); ± 4KV (contact)) Programming: I/O sink current is 10mA (max.) Input/output can be programming	Power Input	1 x DC power input with terminal block
Serial Port	2 x DB9 RS-232/422/485																		
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Power Input	1 x DC power input with terminal block																		

Watchdog Timer	255 levels, 0 ~ 255 seconds/minutes
Storage	1 x half-size mSATA
Expansion Interface	1 x full-size PCI Express Mini Card slot 1 x half-size PCI Express Mini Card slot 1 x SIM card socket
Power Supply	12 ~ 24VDC
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	-40°C ~ +70°C (-40°F ~ +140°F) with W.T. SSD
Humidity	5% ~ 95%, non-condensing
Vibration Endurance	3 Grms w/ SSD (5 ~ 500Hz, X/Y/Z direction; random) 0.8 Grms w/ HDD (5 ~ 500Hz, X/Y/Z direction; random)
Dimensions	79 mm (3.11") (W) x 110 mm (4.33") (D) x 155 mm (6.1") (H)
Weight	TBC
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
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
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
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
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
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IC0320-83C-N3350-4POE-CAN-WT-DC 2018 Q3 available	Robust DIN-rail fanless embedded system with Intel® Atom® 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 2018 Q3 available	Robust DIN-rail fanless embedded system with Intel® Atom® processor N3350 (1.1 GHz), 2 COM, 4 RJ-45, GbE LAN (PoE), 2 USB and VGA (-40°C ~ +70°C)
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IC0320-83C-N4200-4LAN-WT-DC 2018 Q3 available	Robust DIN-rail fanless embedded system with Intel® Atom® processor N4200 (1.1 GHz), 2 COM, 4 RJ-45, GbE LAN (PoE), 2 USB and VGA (-40°C ~ +70°C)
IC0320-83C-N4200-4POE-CAN-DC 2018 Q3 available	Robust DIN-rail fanless embedded system with Intel® Celeron® processor N4200 (1.1 GHz), 1 COM + 1 CAN, 4 RJ-45, GbE LAN (PoE), 2 USB and VGA
IC0320-83C-N4200-4POE-DC 2018 Q3 available	Robust DIN-rail fanless embedded system with Intel® Celeron® processor N4200 (1.1 GHz), 2 COM, 4 RJ-45, GbE LAN (PoE), 2 USB and VGA
IC0320-83C-DIO-N4200-4POE-DC 2018 Q3 available	Robust DIN-rail fanless embedded system with Intel® Celeron® processor N4200 (1.1 GHz), 2 COM, 4 RJ-45, GbE LAN (PoE), 2 USB, VGA and 8-bit 5V TTL DIO
IC0320-83C-N4200-4LAN-CAN-DC 2018 Q3 available	Robust DIN-rail fanless embedded system with Intel® Celeron® processor N4200 (1.1 GHz), 1 COM + 1 CAN, 4 RJ-45, GbE LAN, 2 USB and VGA
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Dimensions

