

# ICO120-83D NEW

Robust DIN-rail Fanless Embedded System with Intel® Celeron® Processor N3350, COM or CAN, 2 LAN, 2 USB and DIO

## Features

- Extreme cost-effective with fanless and cableless design
- Intel® Celeron® processor N3350
- 1 COM or CAN, 2 USB, 2 GbE LAN
- 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, RPP power protection design
- AXView 2.0 intelligent embedded monitoring software for IIoT



## Specifications

Standard Color	Extruded aluminum and heavy-duty steel, IP40	
Construction	Aluminum, IP40	
CPU	Intel® Celeron® processor N3350 (1.1 GHz, Dual Core)	
System Board	SBC8783D	
System Memory	1 x DDR3L-1866 SO-DIMM, up to 8GB	
BIOS	AMI UEFI BIOS	
System I/O Outlet	Serial Port	1 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	1 x half-size mSATA or 1 x eMMC flash on board (optional)
	LAN	2 x 10/100/1000 Mbps Ethernet (Intel® i211AT for ICO120) (Intel® i210IT for ICO120-WT) Magnetic isolation protection 1.5KV
	VGA	1 x DB15 connector
	DIO	1 x DI/DO (8-bit programmable, DB9 female connector) 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

Extension	1 x full-size & 1 x half-size PCI Express Mini Card slots 1 x SIM Card socket
Watchdog Timer	1 WDT One step is 1 sec. 255 levels
System Indicator	Power, Active
Power Supply	Power Input Range: 12 ~ 24 VDC, 1.15 ~ 0.62A Protection: OVP, reverse protection
Operating Temperature	-20°C ~ +70°C (-4°F ~ +158°F) -40°C ~ +70°C (-40°F ~ +158°F) (optional)
Humidity	10% ~ 95%
Vibration Endurance	2 Gms (5 ~ 500Hz, amplitude 0.35 mm; operation/storage/transport)
Weight (net/gross)	0.3 kg (0.67 lb)/0.46 kg (1 lb)
Certificate	CE FCC Class A
Dimensions	31 mm (1.22") (W) x 100 mm (3.93") (D) x 125 mm (4.92") (H)
EOS Support	Windows® 10 IoT Linux support package(By Request) AXView 2.0

\* All specifications and photos are subject to change without notice.

## Ordering Information

Standard	
IC0120-83D-N3350-COM (P/N: E22C120101)	Robust DIN-rail fanless embedded system with Intel® Celeron® processor N3350, COM , 2 LAN, 2 USB and DIO (-20°C to +70°C)
IC0120-83D-N3350-CAN (P/N: E22C120100)	Robust DIN-rail fanless embedded system with Intel® Celeron® processor N3350, CAN , 2 LAN, 2 USB and DIO (-20°C to +70°C)
IC0120-83D-N3350-COM-WT (P/N: E22C120102)	Robust DIN-rail fanless embedded system with Intel® Celeron® processor N3350, COM , 2 LAN, 2 USB and DIO (-40°C to +70°C)
IC0120-83D-N3350-CAN-WT 2018 Q2 available	Robust DIN-rail fanless embedded system with Intel® Celeron® processor N3350, CAN , 2 LAN, 2 USB and DIO (-40°C to +70°C)

Optional	
mSATA	
Wall mount kit	
8812C1003A0E	IC0100/IC0120 wall mount bracket kit SFP
PCI Express Mini Card slot: Wi-Fi/3G/4G	
8816N3234A0E	3G/GPS UC20G kit for tBOX (3G ANT) (E)
8816N3235A0E	3G/GPS UC20G kit for tBOX (3G/GPS ANT) (E)
8812C3003A0E	SparkLAN WPEA-152GN Wi-Fi kit ICO SFP (E)
8812C3004A0E	SparkLAN WPEA-251N Wi-Fi kit ICO SFP (E)
82606200390E	LTE module SIERRA MC7304KIT for EU SFP
822C3001060E	LTE SIMCOM SIM7100C (TW) for IC0300 SFP

\*Specifications and certifications may vary according to various options.

## Dimensions

