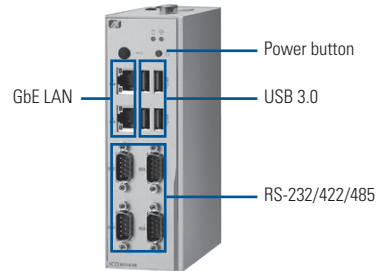


ICO300-83B NEW

Robust DIN-rail Fanless Embedded System with Intel® Atom™ x5-E3930/E3940 or Intel® Celeron® N3350 Processor, Isolated COM, LAN and DIO

Features

- Intel® Atom™ x5-E3930 or Intel® Celeron® N3350 processor (1.3 ~ 1.8 GHz) or x5-E3940 (1.6 ~ 1.8 GHz) or Intel® Celeron® N3350 (1.1 ~ 2.4 GHz) processor
- Fanless design
- Wide operating temperature range from -20°C to +70°C (-40°C to +70°C for option)
- 2 or 4 isolated COM ports (optional)
- 2 full-size PCI Express Mini Card slots
- 1 mSATA and 2.5" SATA drive
- 12 ~ 24 VDC wide range power input



▲ Front view



▲ Rear view



▲ Top view



Specifications

Standard Color	Silver																
Construction	Extruded aluminum and heavy-duty steel, IP40																
CPU	Intel® Atom™ x5-E3930 processor (1.3 ~ 1.8 GHz, Dual Core) Intel® Celeron® N3350 processor (1.1 ~ 2.4 GHz, Dual Core) Intel® Atom™ x5-E3940 processor (1.6 ~ 1.8 GHz, Quad Core)																
System Board	SBC8783B																
System Memory	1 x DDR3L-1866 SO-DIMM, up to 8GB																
BIOS	AMI UEFI BIOS																
System I/O Outlet	<table border="1"> <tr> <td>Serial Port</td> <td>Intel® Atom™ x5-E3940: 4 x isolated RS-232/422/485 or 2 x isolated RS-232/422/485 Intel® Atom™ x5-E3930: 4 x RS-232/422/485</td> </tr> <tr> <td>USB</td> <td>4 x USB 3.0</td> </tr> <tr> <td>RTC</td> <td>Battery onboard</td> </tr> <tr> <td>Storage</td> <td>1 x mSATA 1 x 2.5" 9.5 mm SATA drive</td> </tr> <tr> <td>LAN</td> <td>2 x 10/100/1000 Mbps Ethernet (Intel® i211AT for ICO300-83B) (Intel® i210IT for ICO300-83B-WT)</td> </tr> <tr> <td>Display</td> <td>1 x VGA or 1 x HDMI (optional)</td> </tr> <tr> <td>DIO (ICO300-83B-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	Intel® Atom™ x5-E3940: 4 x isolated RS-232/422/485 or 2 x isolated RS-232/422/485 Intel® Atom™ x5-E3930: 4 x RS-232/422/485	USB	4 x USB 3.0	RTC	Battery onboard	Storage	1 x mSATA 1 x 2.5" 9.5 mm SATA drive	LAN	2 x 10/100/1000 Mbps Ethernet (Intel® i211AT for ICO300-83B) (Intel® i210IT for ICO300-83B-WT)	Display	1 x VGA or 1 x HDMI (optional)	DIO (ICO300-83B-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
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Display	1 x VGA or 1 x HDMI (optional)																
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Power Input	1 x DC power input with terminal block																

Watchdog Timer	255 levels, 1 ~ 255 sec./min.
System Indicator	Power, Active
Power Supply	Power Input Range: 12 ~ 24 VDC Power Input Rating: 12 ~ 24 VDC Power Protection: DC Version, OVP, Reverse protection
Operating Temperature	-20°C ~ +70°C (-4°F ~ +158°F) optional: -40°C ~ +70°C (-40°F ~ +158°F)
Humidity	10% ~ 95%
Vibration Endurance	2g@5 ~ 500Hz, amplitude 0.35 mm (operation/storage/transport)
Weight (net/gross)	1.0 kg (2.2 lb)/1.50 kg (3.3 lb)
Certificate	CE, FCC
Dimensions	48 mm (1.88") (W) x 110 mm (4.33") (D) x 155 mm (6.1") (H)
EOS Support	Linux support package Windows® 10

Ordering Information

Standard	
IC0300-83B-E3930-4COM-DC	Robust DIN-rail Fanless Embedded System with Intel® Atom™ x5-E3930 processor 1.3 GHz (up to 1.8 GHz), 4 COM, 2 GbE LANs, 4 USB, VGA
IC0300-83B-E3930-4COM-WT-DC	Robust DIN-rail Fanless Embedded System with Intel® Atom™ x5-E3930 processor 1.3 GHz (up to 1.8 GHz), 4 COM, 2 GbE LANs, 4 USB, VGA (-40°C ~ +70°C)
IC0300-83B-E3940-2ICOM-DC	Robust DIN-rail Fanless Embedded System with Intel® Atom™ x5-E3940 processor 1.6 GHz (up to 1.8 GHz), 2 isolated COM, 2 GbE LANs, 4 USB, VGA
IC0300-83B-E3940-4ICOM-DC	Robust DIN-rail Fanless Embedded System with Intel® Atom™ x5-E3940 processor 1.6 GHz (up to 1.8 GHz), 4 isolated COM, 2 GbE LANs, 4 USB, VGA
IC0300-83B-E3940-4ICOM-WT-DC	Robust DIN-rail Fanless Embedded System with Intel® Atom™ x5-E3940 processor 1.6 GHz (up to 1.8 GHz), 4 isolated COM, 2 GbE LANs, 4 USB, VGA (-40°C ~ +70°C)

Optional	
mSATA	4GB and above
2.5" SATA drive	
DDR3L SO-DIMM	2GB ~ 8GB (with W.T. memory)
Wall mount kit	
Mini PCIe module (Wi-Fi/Bluetooth/3G/4G/GPS, etc.)	

*Specifications and certifications may vary according to various options.

Dimensions

