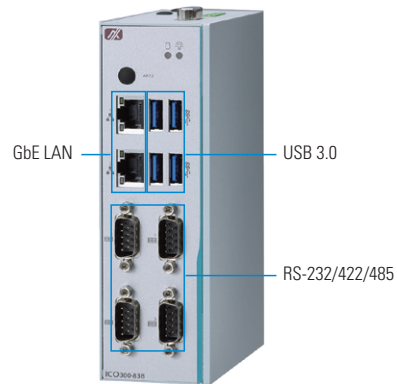


ICO300-83B NEW

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

Features

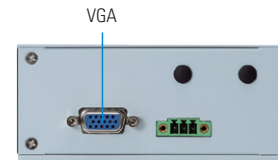
- Cost-effective with fanless and cableless design
- Intel® Celeron® processor N3350/Pentium® processor N4200 (optional)
- 2 or 4 isolated COM ports (optional), 4 USB, 2 GbE LAN
- 8-bit programmable DIO for IoT gateway applications (optional)
- Wide operating temperature range from -40°C to +70°C
- 12 ~ 24 VDC wide range power input
- OVP, UVP, OCP, RPP power protection design
- AXView 2.0 intelligent embedded monitoring software for IIoT



▲ Front view



▲ Rear view



▲ Top view



Specifications

Standard Color	Silver																
Construction	Extruded aluminum 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)																
System Board	SBC8783B																
System Memory	1 x DDR3L-1866 SO-DIMM, up to 8GB																
BIOS	AMI UEFI BIOS																
System I/O Outlet	<table border="0"> <tr> <td>Serial Port</td> <td>4 x isolated RS-232/422/485 for ICO300-83B-N3350-4ICOM-DC & ICO300-83B-N3350-4ICOM-WT-DC 2 x isolated RS-232/422/485 for ICO300-83B-N3350-2ICOM-DC 4 x RS-232/422/485 for ICO300-83B-N3350-4COM-DC & ICO300-83B-N3350-4COM-WT-DC</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 2.5" 9.5 mm SATA drive 1 x mSATA</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	4 x isolated RS-232/422/485 for ICO300-83B-N3350-4ICOM-DC & ICO300-83B-N3350-4ICOM-WT-DC 2 x isolated RS-232/422/485 for ICO300-83B-N3350-2ICOM-DC 4 x RS-232/422/485 for ICO300-83B-N3350-4COM-DC & ICO300-83B-N3350-4COM-WT-DC	USB	4 x USB 3.0	RTC	Battery onboard	Storage	1 x 2.5" 9.5 mm SATA drive 1 x mSATA	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)																
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																

Extension	2 full-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, 1.21 ~ 0.59A 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)	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	Windows® 10 IoT Linux support package (By Request) AXView 2.0

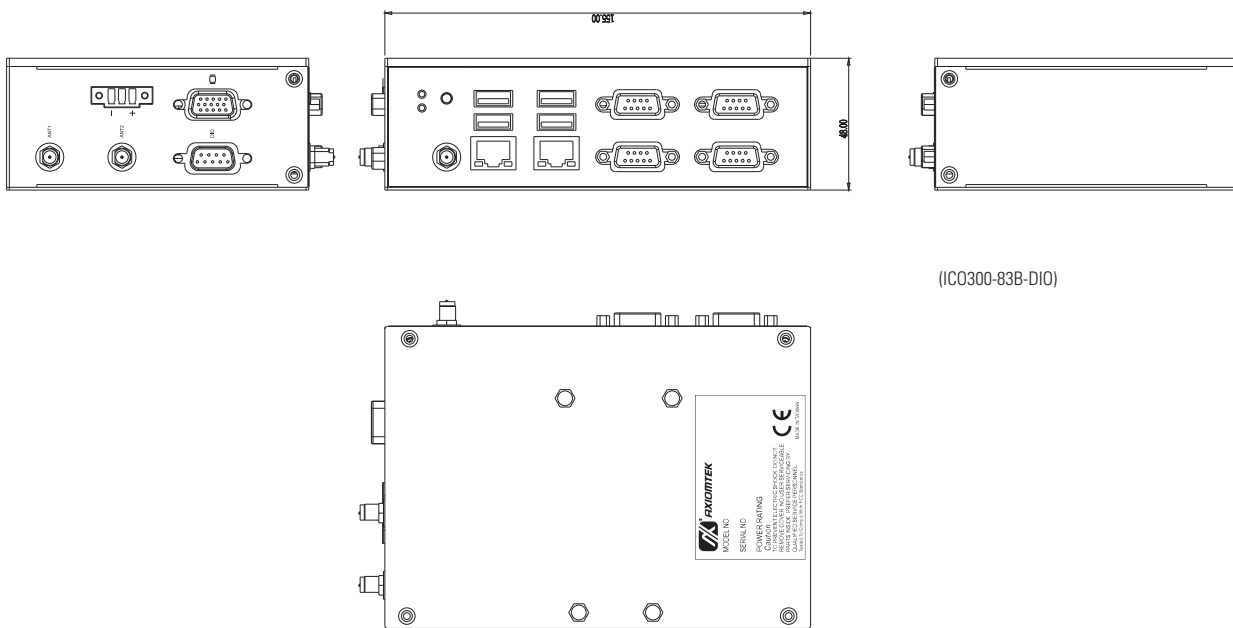
Ordering Information

Standard	
ICO300-83B-N3350-4COM-DC (P/N: E22C300121)	Robust DIN-rail fanless embedded system with Intel® Intel® Celeron® processor N3350, 4 COM, 2 LAN, 4 USB and VGA (-20°C to +70°C)
ICO300-83B-N3350-4COM-WT-DC 2018 Q3 available	Robust DIN-rail fanless embedded system with Intel® Intel® Celeron® processor N3350 , 4 COM, 2 LAN, 4 USB and VGA (-40°C ~ +70°C)
ICO300-83B-N3350-2ICOM-DC 2018 Q2 available	Robust DIN-rail fanless embedded system with Intel® Intel® Celeron® processor N3350, 2 isolated COM, 2 LANs, 4 USB and VGA (-20°C to +70°C)
ICO300-83B-N3350-4ICOM-DC (P/N: E22C300123)	Robust DIN-rail fanless embedded system with Intel® Intel® Celeron® processor N3350 1.1 GHz , 4 isolated COM, 2 LANs, 4 USB and VGA (-20°C to +70°C)
ICO300-83B-N3350-4ICOM-WT-DC (P/N: E22C300120)	Robust DIN-rail fanless embedded system with Intel® Intel® Celeron® processor N3350, 4 isolated COM, 2 LANs, 4 USB and VGA (-40°C ~ +70°C)

Optional	
mSATA	4GB and above
2.5" SATA drive	
DDR3L SO-DIMM	2GB ~ 8GB
Wall mount kit	
8812C3000A0E	ICO300/310/320 wall mount bracket kit
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)

*Specifications and certifications may vary according to various options.

Dimensions



(ICO300-83B-DIO)

