



SB-244 Series

Industrial Fanless PC w/ Intel® Tiger lake i3-1115G4 / i5-1135G7 Processor



Features

- Intel® Tiger lake i3/i5 Processors
- 1 x SDRAM DDR4 3200 MHz (max. 32G)
- Support 4 Gigabit LAN
- Support DP/HDMI 3 independent video output



HDMI



Over-voltage Protection



USB 3.2 Gen 2



-20~60°C



Wide Voltage Range



Reversed Power Insertion Protection

System

CPU	Intel® Tiger lake i3-1115G4 3.0G (6M Cache, up to 4.1GHz) i5-1135G7 2.4G (8M Cache, up to 4.2GHz)
Memory	1 x SDRAM DDR4 3200 MHz (max. 32G) 4GB WT DDR4 SO-DIMM pre-installed*(CTOS)
Graphics	Intel® Iris® Xe graphics, up to 96 graphics execution units (EU)
LAN chipset	1 x Intel i219LM GbE PHY 3 x Intel i210 GbE Controllers (Colay 1211GbE)
Watchdog Timer	Programmable 255 levels timer interval, from 1~255 sec/min

Storage

Device	1 x SATA 3.1 (2.5" HD) 1 x M.2 2242 (SATA3.0) 128GB M.2 WT SSD pre-installed*(CTOS)
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Audio

Type	1 x Audio(Line-out & Mic-in) Chip 888S/897
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Power System

Power Input	10-36VDC, 2-pin phoenix connector
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OS

Windows 10, Ubuntu 20.04	
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Qualification

Certification	CE, FCC
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External I/O

Serial Ports	4 x RS232/RS422/RS485 (default RS-232) with auto flow control
USB Ports	3 x USB3.2 Gen. 2 3 x USB2.0
LAN	4 x RJ45

Video Ports	2 x HDMI up to 4K x 2K x 24bpp @ 24 Hz 1 x DP up to 4096 x 2304 x 36bpp @ 60 Hz
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Remote	1 x SW
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Internal I/O

Expansion Slot	1 x E-Key M.2 2230 slot (PCIe X1 / USB2.0 signal supported) 1 x mPCIe (PCIe/ USB2.0/USB 3.0 signal supported)
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SIM Card	1 x SIM Card socket for 3G/4G module
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USB 2.0 Ports	2 x USB2.0 by Pinhead
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COM Ports	2 x COM232 by Pinhead
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GPIO	1 x 8bit programmable GPIO pin header(3.3 5V Jump adjustable)
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Mechanical

Button	1 x Power button W/Led
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Chassis	Aluminum Alloy
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Mounting	Desk-Mount, Wall-Mount, DIN-Rail(optional) VESA-mount (75x75mm, 100x100mm optional)
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Dimension (W x H x D)	224 x 140 x 49.2 mm
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Weight (Net)	1.6kg
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Environmental

Operating Temp.	-20 ~ 60°C
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Storage Temp.	-40 ~ 85°C
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Operating Humidity	5 ~ 95% (non-condensing)
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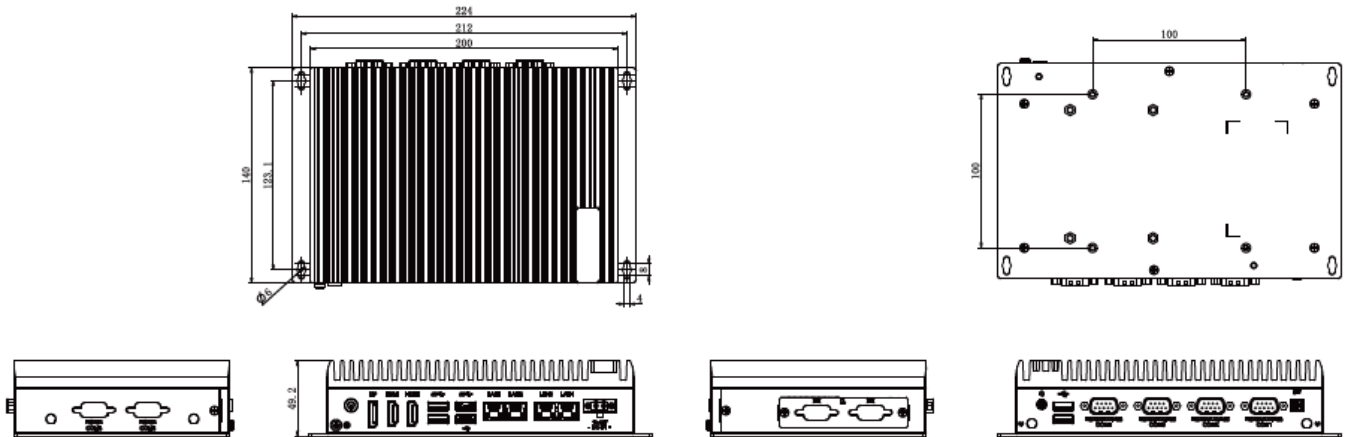
Random Vibration	5~500Hz, 2Grms, operation
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Shock	Operation: 10G@11ms Non-operation: 30G@11ms
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*CTOS means Configure-to-Order Service.

SB-244 Series

Dimensions



Ordering Information

SB-244-11115G4	Barebone Fanless System with, Intel Tiger lake i3-1115G4, 4xLAN, 4xCOM(up to 6), 6xUSB, 2xHDMI, 1xDP, DC 10-36V power input
SB-244-11115G4-R4S128	Fanless System with 4GB RAM & 128GB SSD, Intel Tiger lake i3-1115G4, 4xLAN, 4xCOM(up to 6), 6xUSB, 2xHDMI, 1xDP, DC 10-36V power input
SB-244-11135G7	Barebone Fanless System with, Intel Tiger lake i5-1135G7, 4xLAN, 4xCOM(up to 6), 6xUSB, 2xHDMI, 1xDP, DC 10-36V power input
SB-244-11135G7-R4S128	Fanless System with 4GB RAM & 128GB SSD, Intel Tiger lake i5-1135G7, 4xLAN, 4xCOM(up to 6), 6xUSB, 2xHDMI, 1xDP, DC 10-36V power input



Optional Accessories

PAC-120W-FSP-SPA R1.0	AC/DC ADAPTER KIT (W/UKCA),19V,120W,2 WIRE w/ USA POWER CORD
PAC-120W-FSP-SPA R1.1	AC/DC ADAPTER KIT (W/UKCA),19V,120W,2 WIRE w/ EU POWER CORD
PAC-120W-FSP-SPA R1.2	AC/DC ADAPTER KIT (W/UKCA),19V,120W,2 WIRE w/ UK POWER CORD
PAC-120W-FSP-SPA R1.3	AC/DC ADAPTER KIT (W/UKCA),19V,120W,2 WIRE w/ IN POWER CORD
T271A7Y00-JTW-G	VESA BRACKET, SECC, Gray Paint, 165*115*10.5mm for SB-142-2J64,SB-244-11135G7