



SB-244-11135G7

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



Features

- Intel® Tiger lake i5-1135G7 2.4G (8M Cache, up to 4.2GHz)
- 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



Reserved Power
Protection

System

CPU	Intel® Tiger lake 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 RJ45 Intel i219LM for 10/100/1000 Mbps 3 x RJ45 Intel i210 for 10/100/1000 Mbps (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

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
Remote	1 x SW

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)
SIM Card	1 x SIM Card socket for 3G/4G module
USB 2.0 Ports	2 x USB2.0 by Pinhead
COM Ports	2 x COM232 by Pinhead
GPIO	1 x 8bit programmable GPIO pin header(3.3 5V Jump adjustable)

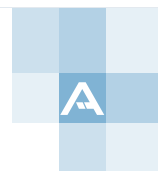
Mechanical

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

Environmental

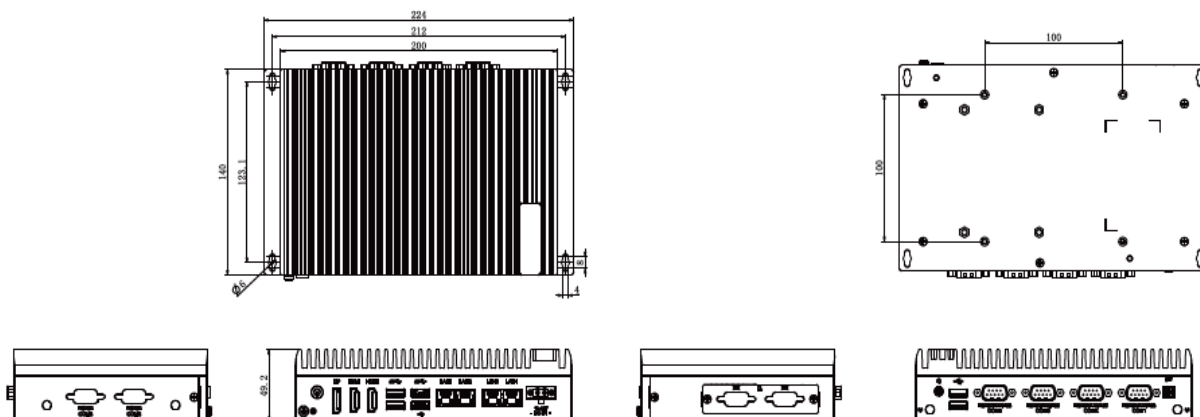
Operating Temp.	-20 ~ 60°C
Storage Temp.	-40 ~ 85°C
Operating Humidity	5 ~ 95% (non-condensing)
Random Vibration	5~500Hz, 2Grms, operation
Shock	Operation: 10G@11ms Non-operation: 30G@11ms

*CTOS means Configure-to-Order Service.



SB-244-11135G7

Dimensions



Ordering Information

SB-244-11135G7 Fanless System with, Intel Tiger lake i5-1135G7, 4xLAN, 4xCOM(up to 6), 6xUSB, 2xHDMI, 1xDP, DC 10-36V power input



AC-DC Power Adapter (US) Input: 100V-240V, Output: 19V/6.3A 120W; W/2-pin Terminal Block with screws, US Plug

AC-DC Power Adapter (EU) Input: 100V-240V, Output: 19V/6.3A 120W; W/2-pin Terminal Block with screws, EU Plug

Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

US

sales@assured-systems.com

Sales: +1 347 719 4508

Support: +1 347 719 4508

1309 Coffeen Ave
Ste 1200
Sheridan
WY 82801
USA

EMEA

sales@assured-systems.com

Sales: +44 (0)1785 879 050

Support: +44 (0)1785 879 050

Unit A5 Douglas Park
Stone Business Park
Stone
ST15 0YJ
United Kingdom

VAT Number: 120 9546 28

Business Registration Number: 07699660