

SB-244-2J64

Industrial Fanless PC w/ Intel® Elkhart Lake Celeron® J6412 Processor & Discrete TPM



Features

- Intel® Celeron® J6412 CPU Elkhart Lake (2.0GHz/2.6GHz)
- 1 x DDR4 3200MHz SO-DIMM Slot, up to 32GB
- 4 x GbE LAN
- Support HDMI/VGA video output
- Support mSATA/M.2 SSD, M.2 WiFi, Mini-PCIe
- Support Discrete TPM 2.0



HDMI

Over-voltage
Protection

USB 3.1



-20~60°C

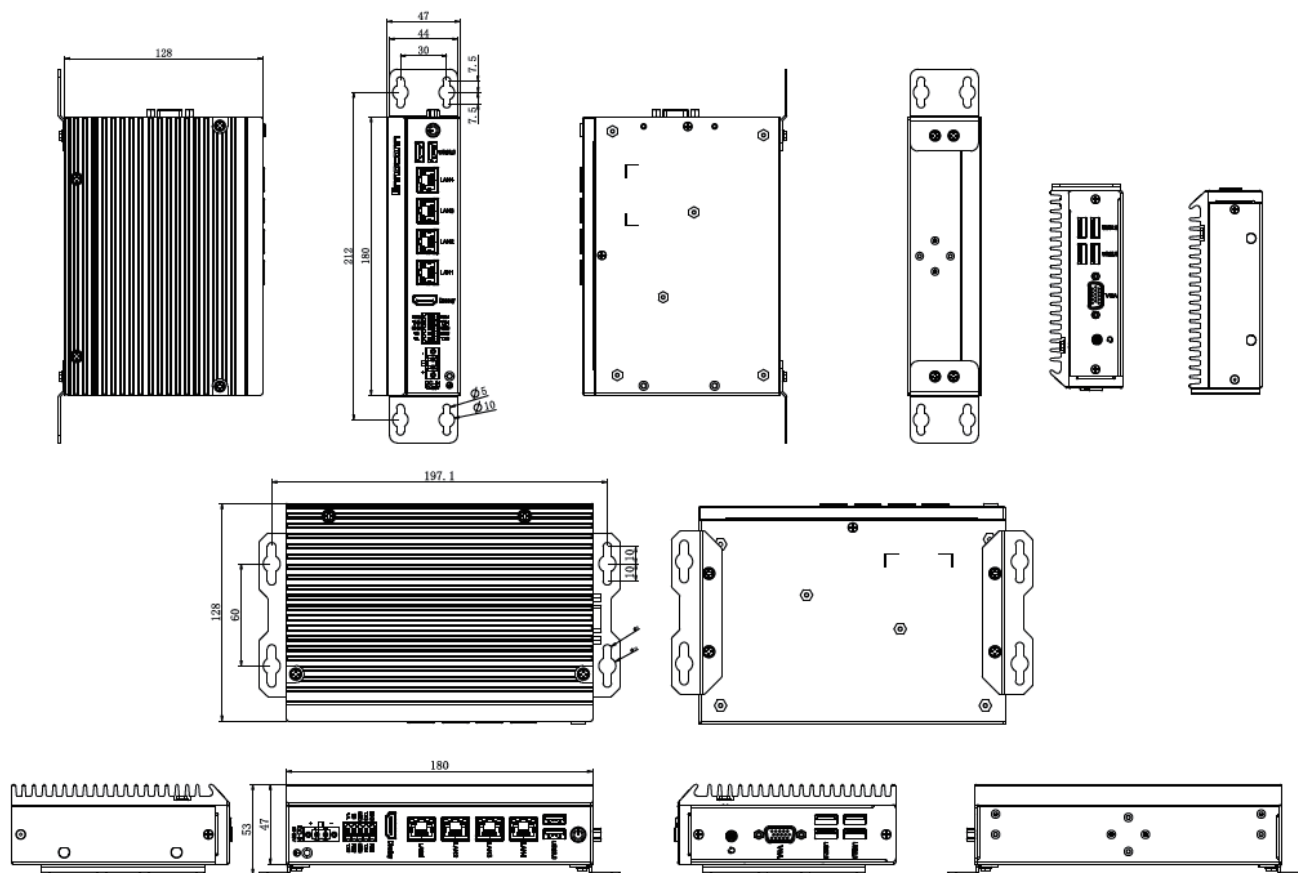
Reversed
Power Insertion
Protection

System	
CPU	Intel® Celeron® J6412 CPU Elkhart Lake (2.0 GHz / 2.6 GHz)
Memory	1 x DDR4 SO-DIMM socket, supporting 3200 MHz SDRAM up to 32GB 4GB DDR4 SO-DIMM pre-installed*(CTOS)
Chipset	Integrated in CPU
Graphics	Intel® Iris UHD Graphics for 10 th Gen Intel® Processor
LAN Chipset	4 x Intel® i210 GbE Controllers
TPM	Support discrete TPM 2.0
Watchdog Timer	1~255 levels reset
Storage	
Device	1 x M.2 2242 SATA SSD 1 x mSATA 128GB M.2 SSD pre-installed*(CTOS)
Audio	
Type	1 x Audio(Line-out & Mic-in) (Chipset ALC888S/897)
Power	
Power Input	12-36V DC, 2-pin phoenix connector
OS	
Windows 10, Ubuntu 22.04	
Qualification	
Certification	CE, FCC
External I/O	
Serial Ports	1 x RS485 3 x RS232
USB Ports	2 x USB3.1 4 x USB2.0
LAN	4 x RJ45
Video Ports	1 x HDMI® 1 x VGA

Internal I/O	
Expansion Slot	1 x full-size mPCIe (PCIe/ USB2.0/ mSATA signal support)
SIM Card	1 x SIM card socket for 3G/4G module
COM Port	2 x RS485
Mechanical	
Power Button	1 x Power button w/ LED
Chassis	Aluminum Alloy
Dimension (W x H x D)	180 x 128 x 47 mm (7.09" x 5.04" x 1.85")
Mounting	Desktop, Wall-mount, Din Rail (Optional)
Weight	1.5 kg (3.3lb)
Environmental	
Operating Temp.	-20 ~ 60°C (-4 ~ 140°F), ambient w/ air flow
Storage Temp.	-40 ~ 85°C (-40 ~ 185°F)
Operating Humidity	5 ~ 95% @ 40°C (non-condensing)
Vibration	5~500Hz, 2Grms operation
Shock	Operation: 10G@11ms Non-operation: 30G@11ms

*CTOS means Configure-to-Order Service.

Dimensions



Unit: mm

Ordering Information

SB-244-2J64-R4S128	Fanless System with 4GB RAM & 128GB SSD, Intel Celeron Elkhart Lake J6412, TPM
SB-244-2J64	Fanless System, with Intel Celeron Elkhart Lake J6412, TPM
CEA-DINRAIL-25	DIN-Rail Kit
PAC-60W-FSP-SPA R1.0	AC/DC ADAPTER KIT (W/UKCA), 12V, 60W, 2 WIRE w/ USA POWER CORD
PAC-60W-FSP-SPA R1.1	AC/DC ADAPTER KIT (W/UKCA), 12V, 60W, 2 WIRE w/ EU POWER CORD
PAC-60W-FSP-SPA R1.2	AC/DC ADAPTER KIT (W/UKCA), 12V, 60W, 2 WIRE w/ UK POWER CORD
PAC-60W-FSP-SPA R1.3	AC/DC ADAPTER KIT (W/UKCA), 12V, 60W, 2 WIRE w/ IN POWER CORD