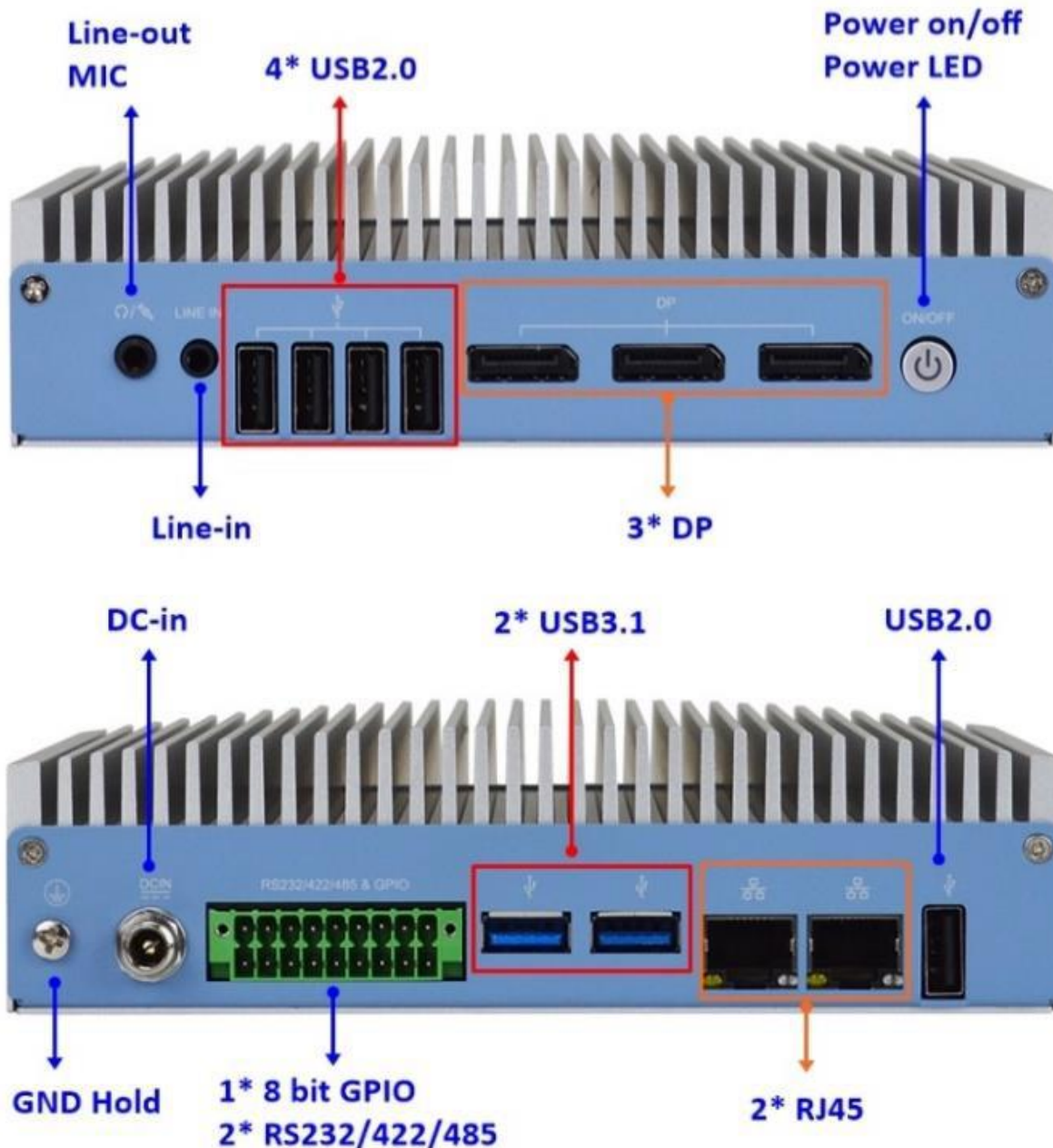


NEOBX-SB6412

Fanless Elkhart Lake Embedded Barebone
J6412 Quad-Core / 3*DP / 43.5mm / 12-36V

Features

- Fanless Embedded Barebone System with Planned Lifecycle Through Q1'2036
- Intel Elkhart Lake J6412 Quad-core Processor
- Supports DDR4-3200 up to 32GB Total Memory
- Up to 3 Displays, 3 * DP 1.4 4K @60Hz
- M.2 SATA/PCIE 3.0 x2 NVME, 2*M.2 for WIFI & Cellular
- 2 * Realtek 1GbE, 8bit GPIO Phoenix Terminal Block
- 2*RS232/422/485 Phoenix Terminal Block
- Watchdog Timer, 12-36V DC-In, 60W AC Adapter
- Includes Wall & DIN Mounting Brackets



Processor	Fanless Intel Celeron J6412 Quad-core SoC, Elkhart Lake
Memory	1 * DDR4-3200 SO-DIMM up to 32GB total memory
Storage	- Optional: 32GB EMMC 1 * M.2 M-key SATA & PCIE 3.0 x2 NVME 2242/2280
Network	2 * Realtek RTL8119I 1GbE LAN - WIFI Model: includes M.2 AC-WIFI+BT card - Non-WIFI Model: open M.2 E-key 2230 slot (USB/PCIE) - M.2 B-key 3042/3052 (USB3) with SIM card slot for Cellular
Other Features	AHCI, Watchdog Timer 10-255 min/sec., AT/ATX Power Mode, Optional TPM2
Front Panel I/O	4 * USB 2.0 Type-A, Power button and LED 3.5mm Line-out/Mic combo jack 3.5mm Line-in jack 3 * Displayport 1.4 4K @60Hz
Rear Panel I/O	2 * USB 3.2 Gen2 ports (10Gb/s) Type-A, 1 * USB 2.0 Type-A 2 * RJ45 2 * RS232/422/485 Phoenix Terminal Block 8bit GPIO Phoenix Terminal Block 12-36V DC-in locking jack, Grounding Screw (side) 4 * Antenna holes
BIOS	AMI UEFI Flash ROM with Intel fTPM (PTT) TPM 2.0 Emulation
Box Contents	60W 12V AC Adapter, US Power Cord, Wall/DIN Mount Brackets, Antenna (WIFI model)
Compliance	CE, FCC, RoHS, ErP Ready
Temperature	- Operating Temperature -20 - 70° C - Storage Temperature -40 - 85° C
Dimensions	106 x 160.2 x 43.5mm (DxWxH)
OS Support	Windows 10 64bit, Windows 11 64Bit, Linux
Warranty	2 Years limited warranty

*Specifications subject to change without notice, not responsible for typographical errors. Does not include memory, HDD, optical, or OS.

