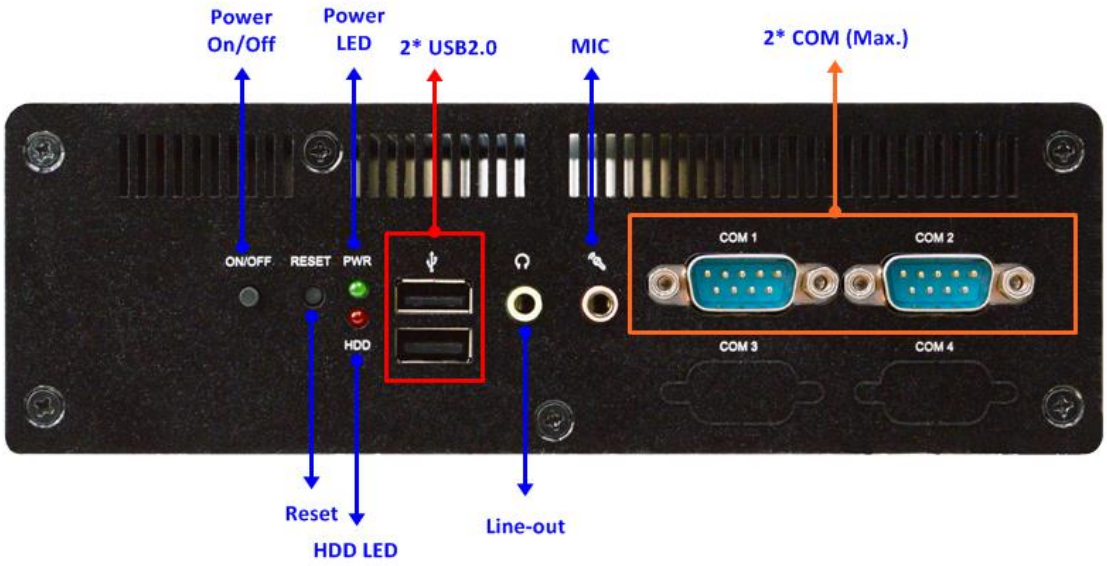
FDF04

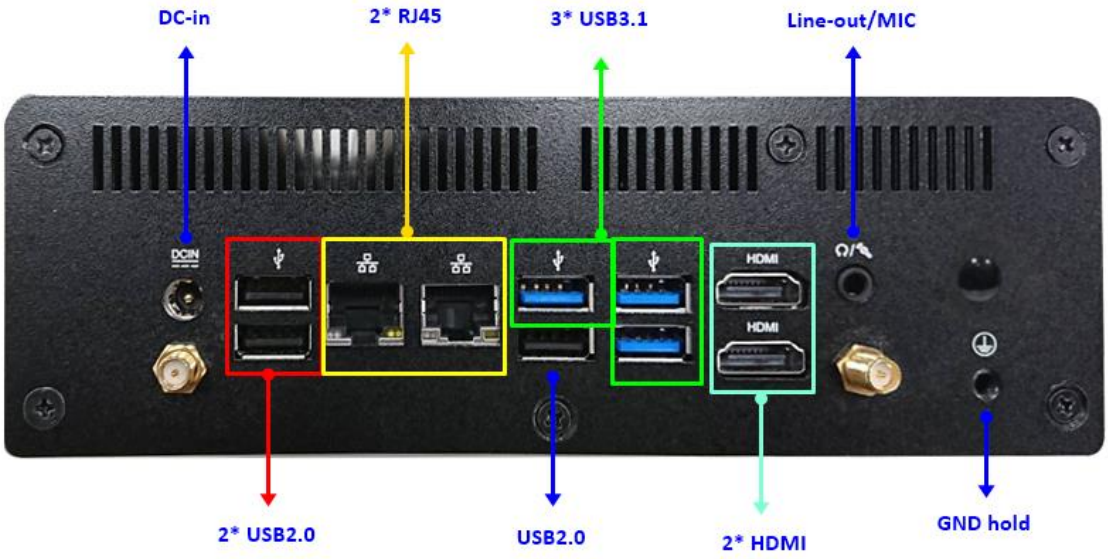
Fanless Elkhart Lake Embedded Barebone
2*4K Displays / 2.5GbE / 3 M.2 Slots



Features

- Fanless Embedded Barebone System with Planned Lifecycle Through Q1'2036
- Intel Elkhar Lake Low Power Processors
- Supports DDR4-3200 up to 32GB Total Memory
- Up to 2 * 4K HDMI Displays, 1 * 2.5" SATA3 Bay
- M.2 SATA/PCIE 3.0 x2 NVME, M.2 2230 for WIFI
- M.2 3042 with SIM, 1 * Intel 2.5GbE + 1 * Intel 1GbE
- 3 * USB 3.2 Gen2, 5 * USB 2.0, 2 * Serial Ports
- Watchdog Timer, 12V -24V DC-In, 60W AC Adapter
- Includes Wall and Din Rail Mounting Brackets





Model	■ **FDF04**
Part No	■ **HBFDF04-6412-B (no TPM), HBFDF04-6412-T (TPM 2.0)** ■ **HBFDF04I-6412-B (AC-WIFI, no TPM), HBFDF04I-6412-T (AC-WIFI, TPM 2.0)**
Processor	■ Fanless Intel Celeron J6412 Quad-core SoC, Elkhart Lake
Memory	■ 2 * 260-pin DDR4-3200 SO-DIMM up to 32GB total memory
Storage	■ Onboard 32GB EMMC ■ 1 * 2.5" internal bay for SATA3 6Gb/s ■ 1 * M.2 M-key 2242/2280 SATA3/PCIE 3.0 x2 NVME
Network	■ 1 * Intel i225-LM 2.5GbE, 1 * Intel i211-AT Gigabit LAN ■ WIFI Model: includes M.2 Intel 9260 AC-WIFI+BT ■ Non-WIFI Model: open M.2 E-key 2230 slot (USB/PCIE) ■ M.2 B-key 3042/3052 with SIM card slot for Cellular (USB signal)
Other Features	■ AHCI, Watchdog Timer 10-255 min/sec., AT/ATX Power Mode, Optional Onboard TPM 2.0
Front Panel I/O	■ Power, Reset, LEDs ■ 2 * USB 2.0 ports ■ Line-out, Microphone ■ Up to 4 * Serial ports (2 * RS232, 2 * RS232/422/485) (2 * installed & 2 * cables in box)
Rear Panel I/O	■ 3 * USB 3.2 Gen2 ports (10Gb/s), 3 * USB 2.0 ports ■ 2 * RJ45 ■ 2 * HDMI 2.0b 4K@60Hz ■ Line-out/Mic Combo jack ■ 12V - 24V DC-in jack ■ 2 * Antenna holes, 1*DB9 punchout
BIOS	■ AMI Flash ROM
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 0 ~ 50 ° C ■ Storage Temperature -40 - 85° C
Dimensions	■ 142.4 x 193 x 62mm (DxWxH)
OS Support	■ Windows 10 64bit, Windows 11, 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.

Jetway Computer Corporation
Phone: 510-857-0130 Fax: 510-857-0138
8058 Central Ave., Newark, CA 94560
www.jetwaycomputer.com