

HBFD13-6412-B

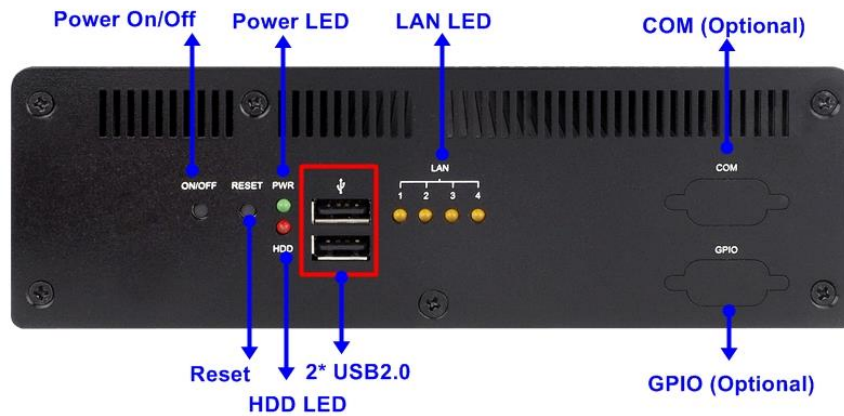
4 LAN Ports Fanless Network Appliance with Intel® Elkhart Lake SoC processor

Features

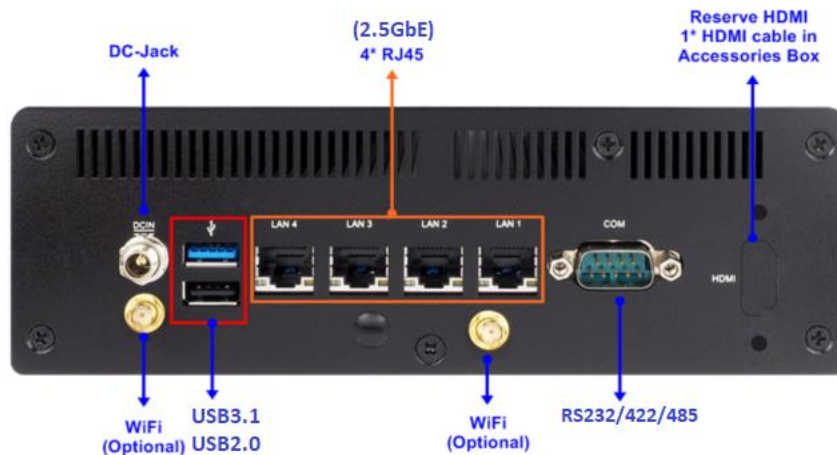
1. Intel® Elkhart Lake SoC Processor, Default: J6412
2. 1* 260-pin DDR4 3200MHz SODIMM Up to 32 GB
3. 1* COM (RS232/422/485), 1 * USB3.1 Gen.2, 3* USB2.0
4. 4* Intel® i225V 2.5GbE
5. 1* M.2 M-key, 2242/2280 (SATA/PCIe Gen.3 x2) support NVMe, 1* M.2 E-key, 2230 (USB2.0/PCIe Gen.3 x1), 1* M.2 B-key, 3042/3052 (USB3.1), 1* SIM card slot
6. TPM2.0 (onboard option)



Front I/O :



Rear I/O :

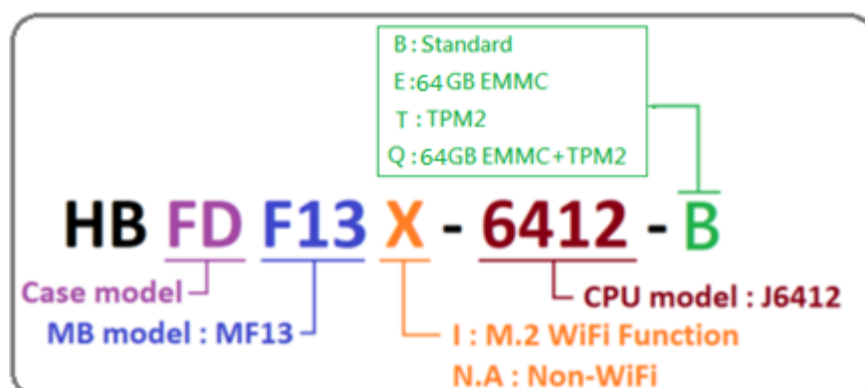


Specifications

Model	<ul style="list-style-type: none"> • HBFDF13-6412-B (non-WiFi) • HBFDF13-6412-E (non-WiFi, EMMC) • HBFDF13-6412-T(non-WiFi, TPM2) • HBFDF13-6412-Q (non-WiFi, EMMC+TPM2) • HBFDF13-6412-B (M.2 ac Wifi) • HBFDF13-6412-E (M.2 ac Wifi, EMMC) • HBFDF13-6412-T (M.2 ac Wifi, TPM2) • HBFDF13-6412-Q (M.2 ac Wifi, EMMC+TPM2)
CPU / Chipset	• Intel® Elkhart Lake SoC Processor / Default: J6412
BIOS	• AMI Flash ROM
Memory	• 1 * SO-DIMM DDR4-3200MHz up to 32GB
Network	• 4 * Intel® i225V 2.5GbE
Graphics	<ul style="list-style-type: none"> • Intel® HD Graphics, shared memory • 1 * HDMI (Max Resolution: 1920x1080@60Hz) , Support Single Display
Storage	<ul style="list-style-type: none"> • 1 * 2.5" SATAIII 6Gb/s internal drive bay (only support 2.5" HDD with a height ≤ 10mm) • 1 * M.2 M-KEY (2242/2280,SATA/PCIe Gen.3x2 interface)support NVME • 64GB EMMC (On board option)
Expansion	<ul style="list-style-type: none"> • 1 * M.2 E-KEY (2230,USB2.0/PCIe Gen.3x1 interface) • 1 * M.2 B-KEY (3042/3052,USB3.1 interface)
Rear Panel I/O	<ul style="list-style-type: none"> • 4 * RJ45 • 1 * USB3.1, 1*USB2.0 • 1 * HDMI (Reserve, Max. resolution: 1920x1080@60Hz) • 1 * COM (RS232/422/485) • 1 * DC-in jack Lock type
Front Panel I/O	<ul style="list-style-type: none"> • 1 * Power button, 1 * Reset button • 1 * Power LED, 1 * HDD LED • 2 * USB2.0 • 4 * NIC LED • 1 * COM & 1 * GPIO (option)
Internal Connector	• 1* SIM card slot
Power Source	<ul style="list-style-type: none"> • Adapter : AC 90~240V input / DC12V-60W output • MB : DC12V input
Compliance	• CE, FCC, LVD, RoHS, ErP Ready
Dimensions	<ul style="list-style-type: none"> • 193 (W) x 142.4 (D) x 62 (H) mm • Net Weight: 2.2KG • Gross Weight: 3.2KG • Color Box dimension: 250 (W) * 118 (D) * 295 (H) mm
Temperature	<ul style="list-style-type: none"> • Operating Temperature: -20 ~ 60° C (Under the condition of using mSATA or SSD) • Operating Temperature: 0 ~ 60° C (Under the condition of using 2.5" SATA HDD) (The test environment is closed and windless) • Storage Temperature: -40 ~ 85° C • Humidity: 10% ~ 95% RH @40°C (non-condensing)
OS Support	• Windows 11, Linux
Warranty	• 2 Years limited warranty

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

Part Number Rules



Standard Accessories

Part Number	Description
	HBFD13 Series
L01AS052-F	Lockable Adapter 12V/60W
Change according to shipping area	Power cord
LCSCBFDXXX-F	HBFX_Series Barebone Screw Pack
HCSFDMWM01B-F	FD Series Wall mount
J05-ANT-GX57245-F	Antenna2G4/5G 2.8dBi GX572450001SM (Wifi model only)
G01-COM-H2M20-1F	COM Cable
G01-2X10A-HDMI-1F	HDMI Cable

Mechanical Drawings (Unit=mm)

