



FBZ10- Long-Life Fanless System with 4x LAN

This ECO-designed (EuP/ErP) Fanless computer packs 4x 2.5 GbE LAN into a small form factor solution. Offering TPM, a long-life Embedded CPU in the Intel® J6412 SoC, and multiple M.2 expansion and storage options, this small PC is ideal for Digital Security, Networking Appliance, Firewall, Software Routers, VPN and Surveillance.



SPECIFICATIONS

CPU	Intel® Celeron J6412
Memory Type	260-pin DDR4 3200 MHz SO-DIMM
Memory Slots	1
Maximum Memory Supported	32GB
Integrated Graphics	Intel® UHD Graphics
Video	1x HDMI
LAN Ports	4 x Intel I225-V PCIe 2.5GbE
TPM	Intel® fTPM 2.0 (PTT Trusted Computing Firmware; Onboard NUVOTON TPM v2.0 available by request
Extended Interface	1 x M.2 E-key (2230, PCIe 3.0 x1/USB 2.0), 1 x M.2 B/M-Key (2242, NVMe SATA & PCIe 3.0 x2); 32GB eMMC and WiFi + Bluetooth Installed OPTIONAL
Wifi + Bluetooth	Optional via M.2 or preinstalled
Front I/O	1 x Power Button, 1 x HDMI 2.0b (4096* 2160 @ 60Hz), 1 x USB 3.2 Gen 2, 1 x USB 2.0 Port, 1 x Reset Button, 1 x Antenna Hole
Rear I/O	1 x Antenna Hole, 1 x RJ45 Type Serial Port, 4 x RJ45 LAN (10/100/1000/2500), 1 x GND Screw, 1 x +12V 2.5mm Diameter DC Power Jack

Power Requirement	+12V DC input
Dimensions	125 (W) x 109(D) x 39.5 (H) mm
Operating Temperature	-20°C ~ 60°C using M.2 SSD
Storage Temperature	-40°C ~ 85°C
Relative Humidity	10% ~ 95% RH @40°C (non-condensing)
OS Software Supported	Windows 10 64bit, Windows 10 IoT Enterprise, Windows 11 64-bit, CentOS 9, Debian 11.3, Fedora 36-1.5, OpenSUSE 15.4, FreeBSD 13.1, OPNSense 22.1.2, pfSense 2.6.0, Ubuntu 22.04
Certification	CE,FCC,ErP,RoHS For System; CE,FCC,TUV,UL,CCC,CB,ErP For Power Adapter
Global P/N / SKU	1708582

Ordering Options

1708582A: HBFZ10-6412-B, without Wifi preinstalled, NUVOTON TPM and eMMC onboard 1708582B: HBFZ10-6412-T, with Wifi preinstalled, NUVOTON TPM and eMMC onboard Notes: System comes with Wall Mount and 12V40W Power Adapter

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