



HBFDF731-3955-V Series

4 LAN Ports Fanless Network Appliance with Intel Skylake/Kabylake U-Series SoC Processor



Overview

The JETWAY FDF731 Series is a reliable, affordable and high-performance Network Appliance designed for branch offices, small and medium offices, and home offices requirement. The fanless design with durable Aluminum and steel casing is ideal for conference rooms, wiring closets, or small offices needs quiet operation and excellent performance.

This fanless type Intel Skylake/Kabylake U-Series Network Appliance system is an ideal solution for VPN, Load Balancing, Firewall, Content filtering, Unified Threat Management (UTM), Wireless Network Access Controller (NAC), Network security gateway and Virtual Customer Premise Equipment (vCPE) quickly and easily without complicated configuration.

The JETWAY FDF731 Series provides 4 Ports Gigabit Ethernet Network Appliance and designed around the 15W TDP Intel® Skylake/Kabylake U-Series SoC Processor. Intel® Skylake/Kabylake U-series processor support AES NI which is a new encryption instructions to improves on the AES algorithm and accelerates the encryption of data.

The FDF731 Series is a very stable, extremely energy-efficient network appliance with reliable performance. Expansion opportunities are available with 2 Mini PCIe slots and 1 SIM card holder enabling the addition of Wi-Fi, 3G, 4G LTE for multiple connectivity. For storage, it also provides one mSATA and 2.5" SATA hard disk drive. The advanced security and management features are easily accessible via one RS232 console port and an equipped with HDMI port enabling both local and remote administration.

Upgrading your networking solution with JETWAY FDF731 Series will bring you great value with scalability, flexibility and field-proven reliability.

Features

1. Intel® Skylake/Kabylake U-Series SoC Processor, Default: 3855U
2. 1* 260-pin Dual-channel DDR4 2133MHz SODIMM Up to 16 GB
3. 4* Ethernet Ports
4. 1* Full size Mini-SATA Socket (SATA + USB Signal)
5. 2* Mini PCIe Slots (1* full size, 1* half size)
6. 1* SIM card holder
7. Supports on board TPM2.0 (option)
8. 1* RS232 Console, 2* USB3.0, 2* USB2.0

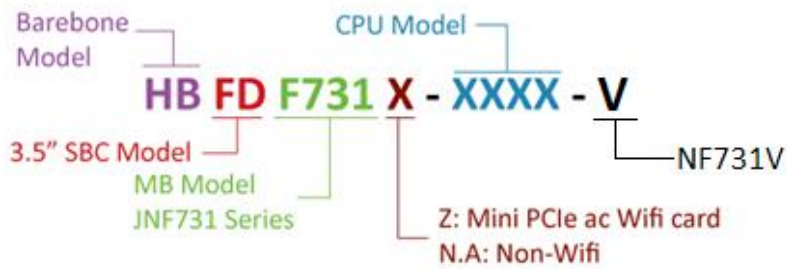
Specifications

MB Model	● JNF731V Series / 3.5" SBC	
Part No	Non-Wifi	Mini PCIe ac Wifi card
	● HBFDF731-3955-V (Default) ● HBFDF731-3965-V	● HBFDF731Z-3955-V ● HBFDF731Z-3965-V
Processor	● Intel® Skylake/Kabylake U-Series SoC Processor Default: 3955U/3965U	
Chipset	● SoC Integrated	
Memory	● 1 * SO-DIMM DDR4-2133MHz up to 16GB	
Storage	● 1 * 2.5" SATA3 6Gb/s internal drive bay (only support 2.5" HDD with a height ≤ 10mm) ● 1 * full size mSATA	
Network	● 1 * Intel® i219LM GbE & 3 * Intel® i225V 2.5GbE	
Expansion slot	● 1 * half size Mini PCIe slot (for WiFi expansion) ● 1 * full size Mini PCIe slot with 1 * SIM card holder	
Front Panel I/O	● 1 * Power button, 1 * Reset button ● 1 * Power LED, 1 * HDD LED ● 2 * USB2.0 ● 4 * NIC LED ● 1 * COM & 1 * GPIO (option)	
Rear Panel I/O	● 4 * RJ45 (3 * i225V + 1 * i219LM) ● 2 * USB3.0 ● 1 * HDMI (Reserve, Max. resolution:4096 x 2304@24Hz) ● 1 * RS232 ● 1 * DC-in jack	
Other Features	● TPM2.0 (On board option) ● 0~255 segments by software programmable	
Power Source	● Adapter : AC 90~240V input / DC12V-60W output ● MB : DC12V input	
Safety	● CE, FCC, LVD, RoHS	
Temperature	● Operating Temperature: -20 ~ 50° C (Under the condition of using	

	mSATA or SSD) <ul style="list-style-type: none"> Operating Temperature: 0 ~ 50° C (Under the condition of using 2.5" SATA HDD) (The test environment is closed and windless) Storage Temperature: -20 ~ 70° C Humidity: Between 40% and 60%, non-condensing
Dimensions	<ul style="list-style-type: none"> 193 (W) x 142.4 (D) x 62 (H) mm
Packing	<ul style="list-style-type: none"> Net Weight: 2.2KG Gross Weight: 3.2KG Color Box dimension: 250 (W) * 118 (D) * 295 (H) mm
OS Support	32/64 bit versions of Windows 7, Windows 8.1, Windows 10, Linux
Warranty	2 Year limited warranty

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

Part Number Rule

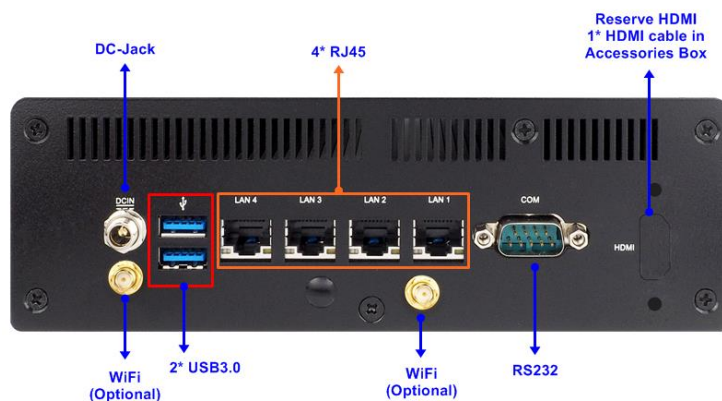


External I/O

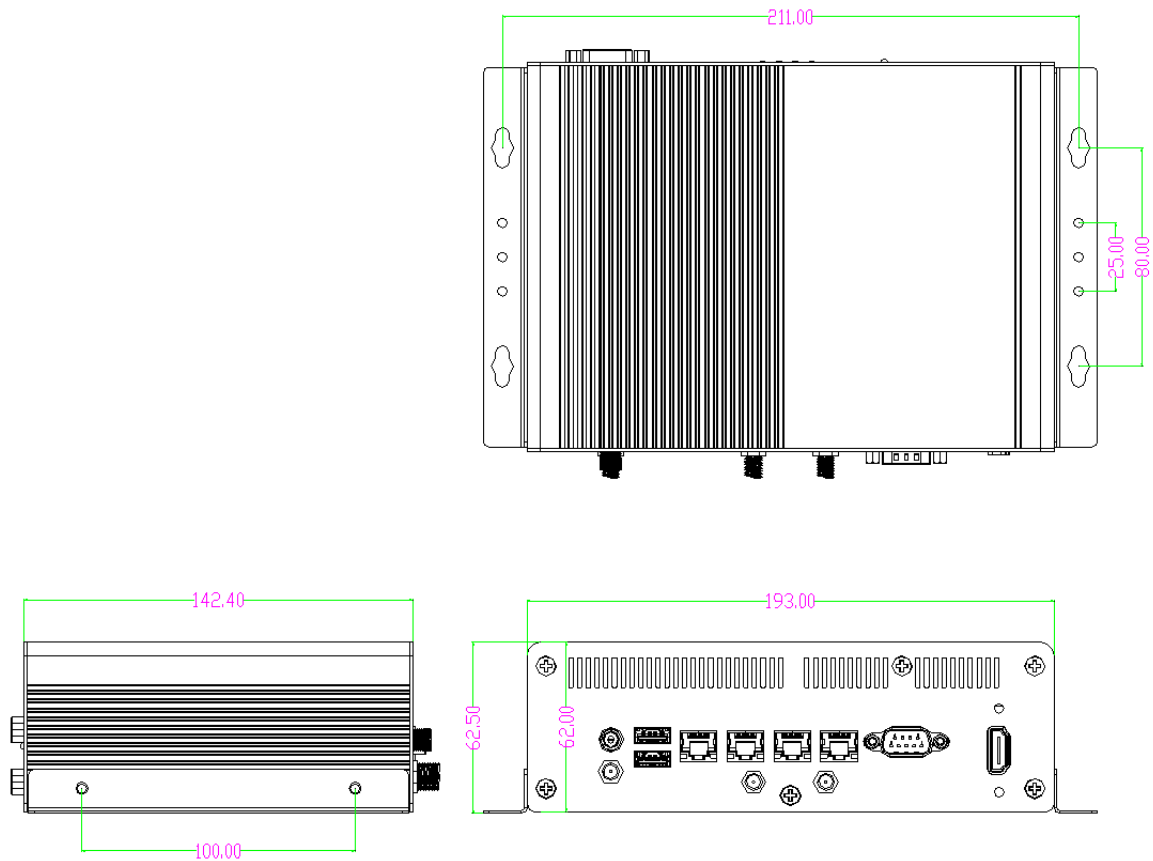
Front



Rear



Mechanical Drawings (Unit = mm)



Standard Accessories

Parts Number	Description
	HBDF731 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
HNSCOMWFAWCB161HF	Mini PCIe ac Wifi card (Wifi model only)
J05-ANT-GX57245-F	Antenna2G4/5G 2.8dBi GX572450001SM (Wifi model only)
G01-COM-H2M20-1F	COM Cable
G01-2X10A-HDMI-1F	HDMI Cable