



## HBFDF731 Series

### 4 Giga 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 Celeron SoC Processor
2. 1\* 260-pin Dual-channel DDR4 2133MHz SODIMM Up to 16 GB
3. 4\* 10/100/1000 Base-TX 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 TPM1.2/2.0 (option)
8. 1\* RS232 Console, 2\* USB3.0, 2\* USB2.0
9. Supports Antenna up to 4

## Specifications

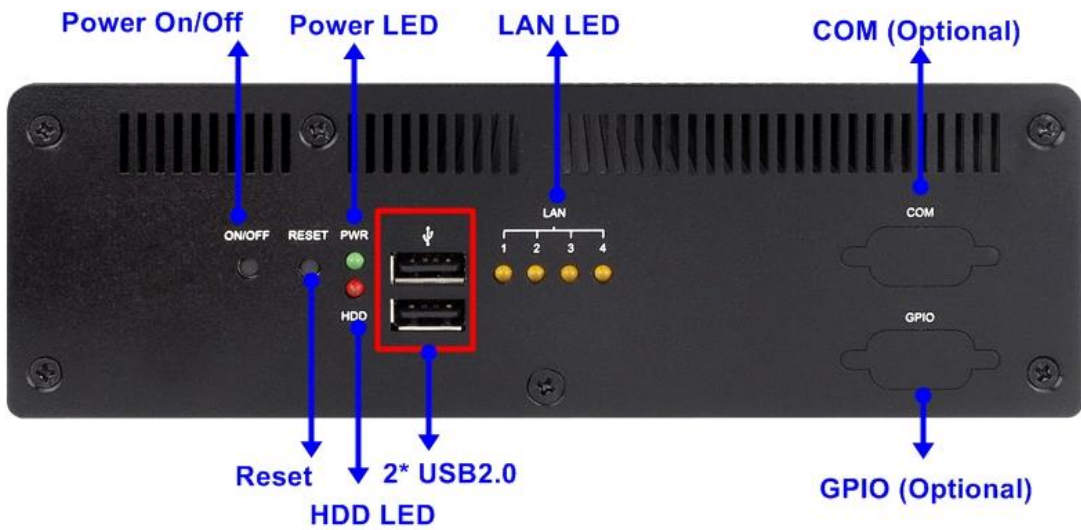
<b>MB Model</b>	<ul style="list-style-type: none"> <li>● JNF731-XXXX / 3.5" SBC</li> </ul>
<b>Part No</b>	<ul style="list-style-type: none"> <li>● HBFDF731-3855-B (non-WIFI) / HBFDF731W-3855-B (WIFI)</li> <li>● HBFDF731-3955-B (non-WIFI) / HBFDF731W-3955-B (WIFI)</li> <li>● HBFDF731-3965-B (non-WIFI) / HBFDF731W-3965-B (WIFI)</li> </ul>
<b>Processor</b>	<ul style="list-style-type: none"> <li>● Intel® Skylake Celeron 3855U/3955U/3965U SoC Processor</li> </ul>
<b>Chipset</b>	<ul style="list-style-type: none"> <li>● SoC Integrated</li> </ul>
<b>Memory</b>	<ul style="list-style-type: none"> <li>● 1 * SO-DIMM DDR4-2133MHz up to 16GB</li> </ul>
<b>Storage</b>	<ul style="list-style-type: none"> <li>● 1 * 2.5" SATA3 6Gb/s internal drive bay (only support 2.5" HDD with a hight ≤ 10mm)</li> <li>● 1 * full size mSATA</li> </ul>
<b>Network</b>	<ul style="list-style-type: none"> <li>● 1 * Intel® i219LM GbE &amp; 3 * Intel® i211AT (Default on board)</li> </ul>
<b>Expansion slot</b>	<ul style="list-style-type: none"> <li>● 1 * half size Mini PCIe slot (for WiFi expansion)</li> <li>● 1 * full size Mini PCIe slot with 1 * SIM card holder</li> </ul>
<b>Front Panel I/O</b>	<ul style="list-style-type: none"> <li>● 1 * Power button, 1 * Reset button</li> <li>● 1 * Power LED, 1 * HDD LED</li> <li>● 2 * USB2.0</li> <li>● 4 * NIC LED</li> <li>● 1 * COM &amp; 1 * GPIO (option)</li> </ul>
<b>Rear Panel I/O</b>	<ul style="list-style-type: none"> <li>● 4 * RJ45 (3 * i211AT + 1 * i219LM)</li> <li>● 2 * USB3.0</li> <li>● 1 * HDMI (Reserve, Max. resolution:4096 x 2304@24Hz)</li> <li>● 1 * RS232</li> <li>● 1 * DC-in jack</li> </ul>
<b>Other Features</b>	<ul style="list-style-type: none"> <li>● TPM1.2 or TPM2.0 (On board option)</li> <li>● 0~255 segments by software programmable</li> </ul>
<b>Power Source</b>	<ul style="list-style-type: none"> <li>● FSP DC Adapter / AC 90~240V input / DC12V-5A-60W / LV6</li> </ul>
<b>Safety</b>	<ul style="list-style-type: none"> <li>● CE, FCC, LVD, RoHS</li> </ul>
<b>Temperature</b>	<ul style="list-style-type: none"> <li>● Operating Temperature: 0~50° C</li> <li>● Storage Temperature: -10~70° C</li> </ul>

<b>Dimensions</b>	<ul style="list-style-type: none"> <li>● 193 (W) x 142.4 (D) x 62 (H) mm</li> </ul>
<b>Packing</b>	<ul style="list-style-type: none"> <li>● Net Weight: 2.2KG</li> <li>● Gross Weight: 3.2KG</li> <li>● Color Box dimension: 250 (W) * 118 (D) * 295 (H) mm</li> </ul>
<b>OS Support</b>	32/64 bit versions of Windows 7, Windows 8.1, Windows 10, Linux
<b>Warranty</b>	2 Year limited warranty

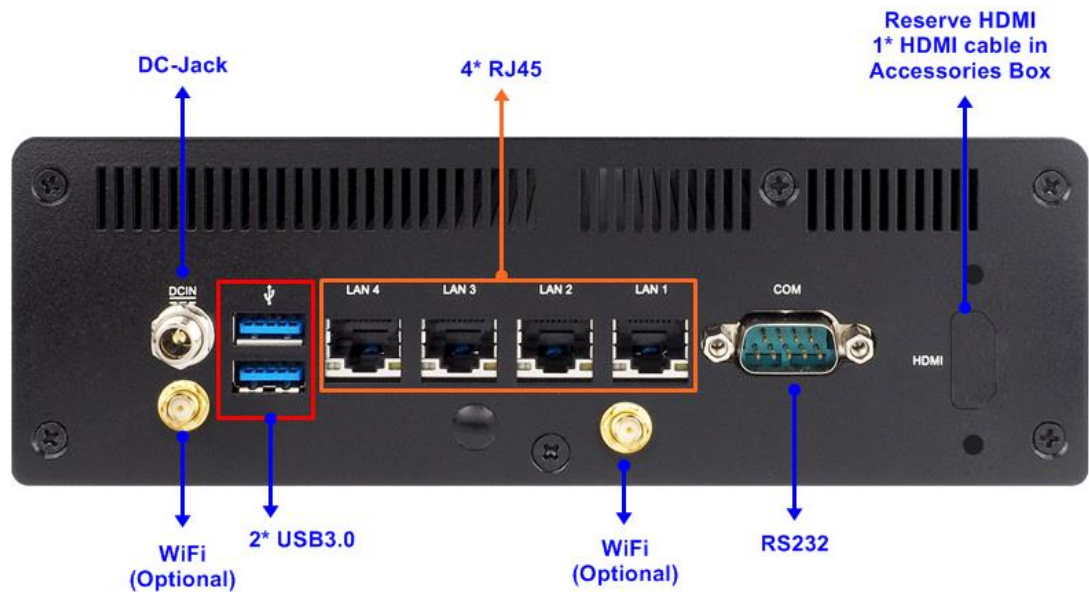
\*Specifications subject to change without notice, not responsible for typographical errors. Does not include HDD or OS.

## External I/O

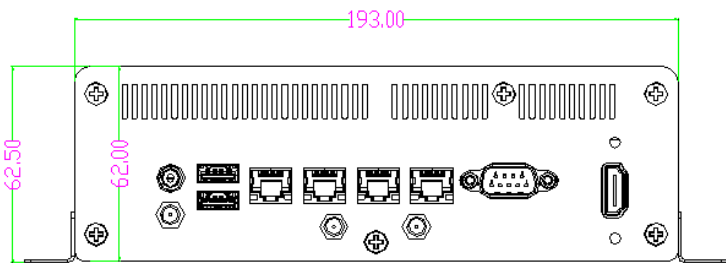
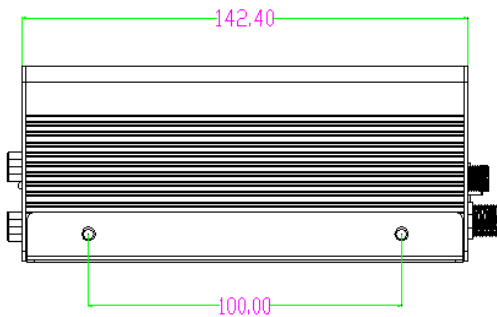
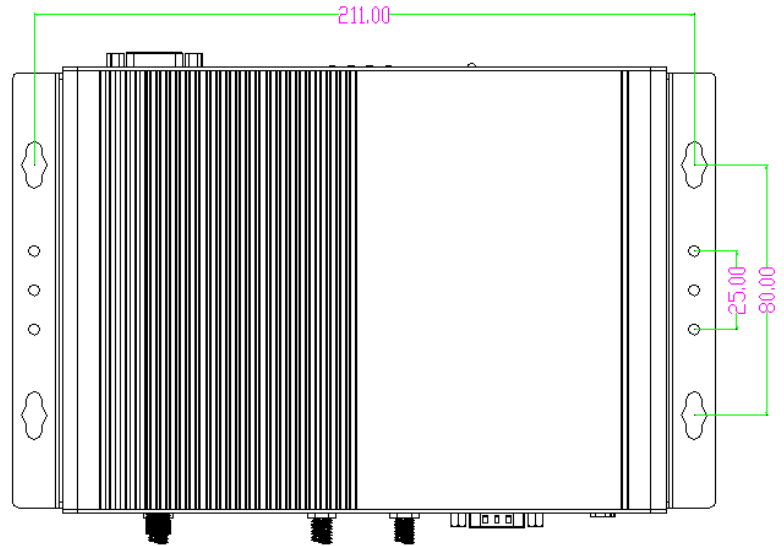
### Front



### Rear



## Mechanical Drawings (Unit = mm)



## Optional Accessories

Parts Number	Description
	HBDF731(W) Series
L01AS036-F	FSP Lockable Adapter 12V-5A-60W / LEVEL6
Change according to shipping area	Power cord
LCSCHBFDXXX-F	HBFX_Series Barebone Screw Pack
HCSFDMWM01B-F	FD Series Wall mount
J05-ANT-AN2400-F	Antenna2G4 -2dBi R-AN2400-5701RS (Optional)
G01-COM-H2M20-1F	COM Cable
G01-2X10A-HDMI-1F	HDMI Cable