



# HBFMF833W-7X-2L/2C-B

Intel® Skylake/Kabylake U Processor, M12 connector, IP69K Waterproof



1. Intel® Skylake/Kabylake U Processor on board
2. Support 2\* SO-DIMM DDR4-2133, up to 32GB memory
3. Wide temperature design, suitable for use at -20 ~ 70 °C
4. All-aluminum main body; Stainless base
5. Support IP69K waterproof and dustproof level
6. Flexible I/O for customized and mission-critical projects
7. Stainless steel bottom cover with stainless steel screws for outdoor use without rust.



## External I/O

### Front



Power Switch  
Power LED

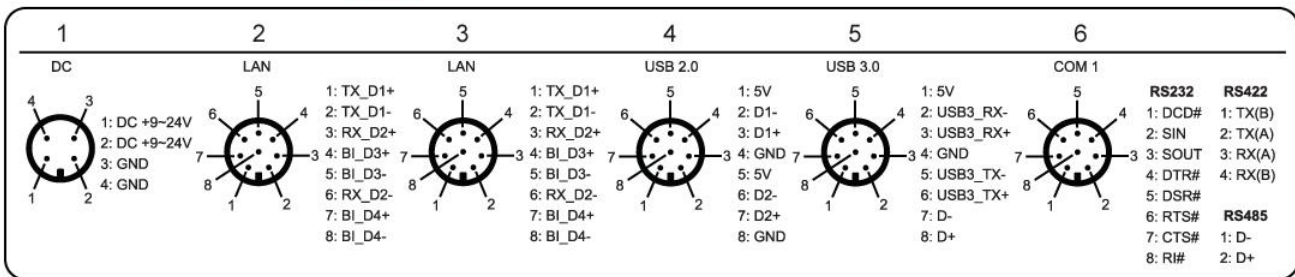
### Rear



Wifi  
GND  
HDMI  
Wifi

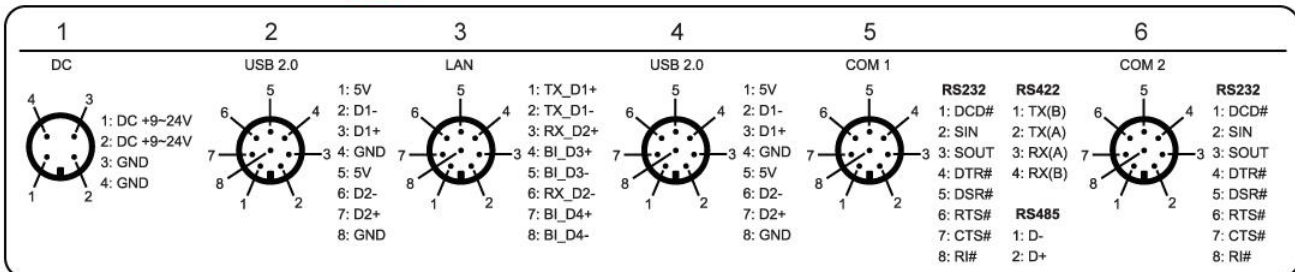
	MODEL	
M12 NUM	HBFMF833W-7X-2C-B	HBFMF833W-7X-2L-B
1	DC-IN	DC-IN
2	USB 2.0	LAN1
3	LAN	LAN2
4	USB2.0	USB2.0
5	COM1	USB3.0
6	COM2	COM1

### HBFM833W-7X-2L-B



X-LABEL741-F

### HBFM833W-7X-2C-B



X-LABEL740-F

## Part Number Rule

# HBFMF833W-7X-2X-B

Barobone model

MB model : F833 => NF833

W : WIFI

CPU Model

Case color : B => BLACK

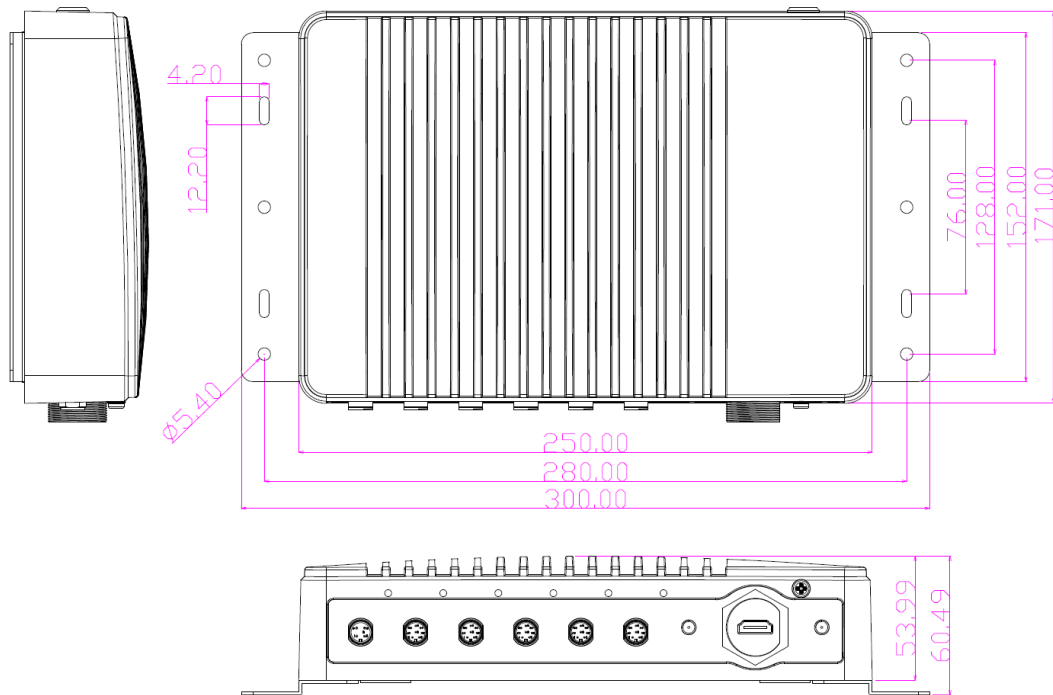
IO Model : 2C / 2L

## Specifications

<b>MB Model</b>	<ul style="list-style-type: none"> <li>● JNF833-7X00 / 3.5" SBC</li> </ul>	
<b>Part No</b>	<ul style="list-style-type: none"> <li>● HBFMF833-7X-2L-B (non-WIFI) / HBFMF833W-7X-2L-B (WIFI)</li> <li>● HBFMF833-7X-2C-B (non-WIFI) / HBFMF833W-7X-2C-B (WIFI)</li> </ul>	
<b>BIOS</b>	<ul style="list-style-type: none"> <li>● AMI</li> </ul>	
<b>CPU/Chipset</b>	<ul style="list-style-type: none"> <li>● Intel® Skylake/Kabylake U Processor (TDP 15W)</li> </ul> <p>Notes: When the system runs, CPU will automatically adjust its working clock frequency according to changing workload.</p>	
<b>Memory</b>	<ul style="list-style-type: none"> <li>● 2 * SO-DIMM slots DDR4-2133MHz up to 32GB</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 height ≤ 10mm)</li> <li>● 1 * Full-size mSATA/mini-PCI Express shared slot</li> </ul>	
<b>Network</b>	<ul style="list-style-type: none"> <li>● 1 * Intel GbE (HBFMF83(W)-7X-2C-B)</li> <li>● 2 * Intel GbE (HBFMF833(W)-7X-2L-B)</li> <li>● 1 * Half-size mini-PCIE slot (802.11 b/g/n + BT 4.0 installed in WIFI model)</li> </ul>	
<b>Rear Panel I/O</b>	<b>HBFMF833(W)-7X-2C-B</b>	<b>HBFMF833(W)-7X-2L-B</b>
	<ul style="list-style-type: none"> <li>● 2 * USB2.0</li> <li>● 1 * RJ45</li> <li>● 2 * COM</li> <li>● 1 * HDMI</li> <li>● 2 * WIFI Antenna</li> <li>● 1 * DC-In</li> </ul>	<ul style="list-style-type: none"> <li>● 1 * USB3.0</li> <li>● 1 * USB2.0</li> <li>● 2 * RJ45</li> <li>● 1 * COM</li> <li>● 1 * HDMI</li> <li>● 2 * WIFI Antenna</li> <li>● 1 * DC-In</li> </ul>
<b>Front Panel I/O</b>	<ul style="list-style-type: none"> <li>● 1 * Power SW</li> <li>● 1 * Power LED</li> </ul>	
<b>Power Source</b>	<ul style="list-style-type: none"> <li>● NF833 MB support DC9~24V input</li> <li>● FSP Adapter , AC 90~240V input , DC12V-5A-60W</li> </ul>	
<b>Compliance</b>	<ul style="list-style-type: none"> <li>● CE, FCC, LVD, RoHS, ErP Ready</li> </ul>	
<b>Waterproof</b>	<ul style="list-style-type: none"> <li>● IP69K</li> </ul>	
<b>Safety</b>	<ul style="list-style-type: none"> <li>● ESD</li> </ul>	
<b>Environment</b>	<ul style="list-style-type: none"> <li>● Operating Temperature: -20 ~ 70 °C (Under the condition of using mSATA or SSD)</li> <li>● Operating Temperature: 0 ~ 50 °C (Under the condition of using 2.5" SATA HDD) (The test environment is closed and windless)</li> <li>● Storage Temperature: -10 ~ 70 °C</li> <li>● Humidity : 90% , non-condensing</li> </ul>	
<b>Dimensions</b>	<ul style="list-style-type: none"> <li>● 250 (W) x 171 (D) x 54 (H) mm</li> </ul>	
<b>Packing</b>	<ul style="list-style-type: none"> <li>● Net Weight: 4.5KG</li> <li>● Gross Weight: 5.5KG</li> <li>● Color Box dimension: 560 (W) * 400 (D) * 380 (H) mm</li> </ul>	
<b>OS Support</b>	<ul style="list-style-type: none"> <li>● Skylake CPU support Win7, Win8, Win10.</li> <li>● HBFMF833(W)-7X-2L/C-B (Kabylake CPU) only support Win10.</li> </ul>	
<b>Warranty</b>	<ul style="list-style-type: none"> <li>● 2 Year limited warranty</li> </ul>	

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

## Mechanical Drawings (Unit = mm)



## Optional Accessories

Parts Number	Description
-----	HBFMF833-7X-2X-B
G03-NF833-F	IPC NF833 M/B User's Manual
G03-FMF833QIG-F	HBFMF833 QIG
G02-DVD25-A2-WF	Driver DVD-ROM
L01AS037-F	FSP Adapter 12V-5A-60W / LEVEL6
-----	Power cord
LCSCBJC3XX-F	Screw Pack
J05-ANT-AN2400-F	Antenna2G4 -2dBi R-AN2400-5701RS (Option)
G01-PWM12-W401-F	M12 DC Cable , L=1.2M
<b>Wires are purchased separately according to customer needs</b>	
G01-M12W8-RJ4501-F	M12 LAN Cable , L=1.2M
G01-M12W8-USB201-F	M12 USB 20 Cable , L=1.2M
G01-M12W8-USB301-F	M12 USB 30 Cable , L=1.2M
G01-M12W8-COM01-F	M12 COM(RS232) Cable , L=1.2M
G01-M12-HDMI01-F	M12 HDMI Cable , L=1.2M

Tel: +886-2-89132711 E-mail: [sales@jetway.com.tw](mailto:sales@jetway.com.tw) Web: [www.jetwayipc.com](http://www.jetwayipc.com)  
 Support: [technic\\_support@jetway.com.tw](mailto:technic_support@jetway.com.tw) or [support\\_team@jetway.com.tw](mailto:support_team@jetway.com.tw)