



HBFMF833 Series

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



1. Intel® Skylake/Kabylake U-Series SoC 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



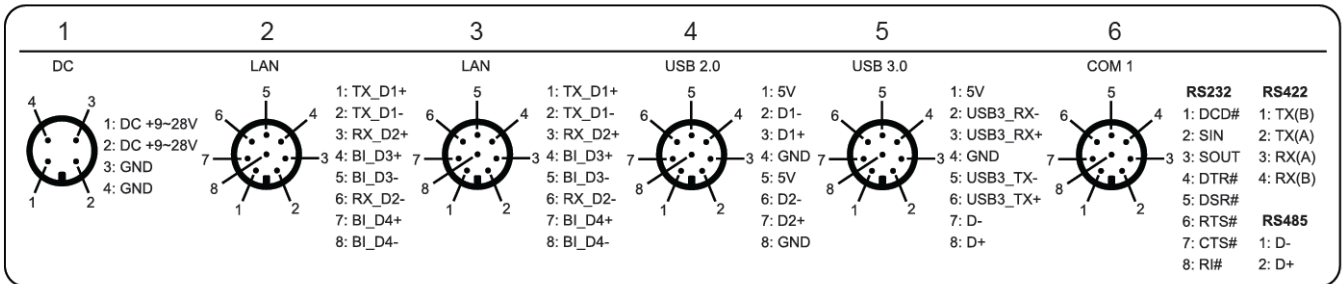
Power Switch
Power LED

Rear



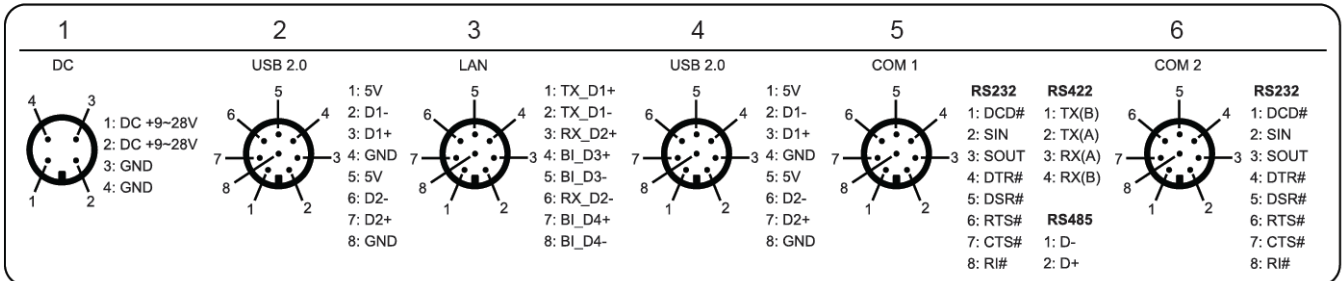
	MODEL	
M12 NUM	HBFMF833-72-2C-B	HBFMF833-72-2L-B
1	DC-IN	DC-IN
2	USB 2.0	LAN1
3	LAN	LAN2
4	USB2.0	USB2.0
5	COM1	USB3.0
6	COM2	COM1

HBFM833-72-2L-B



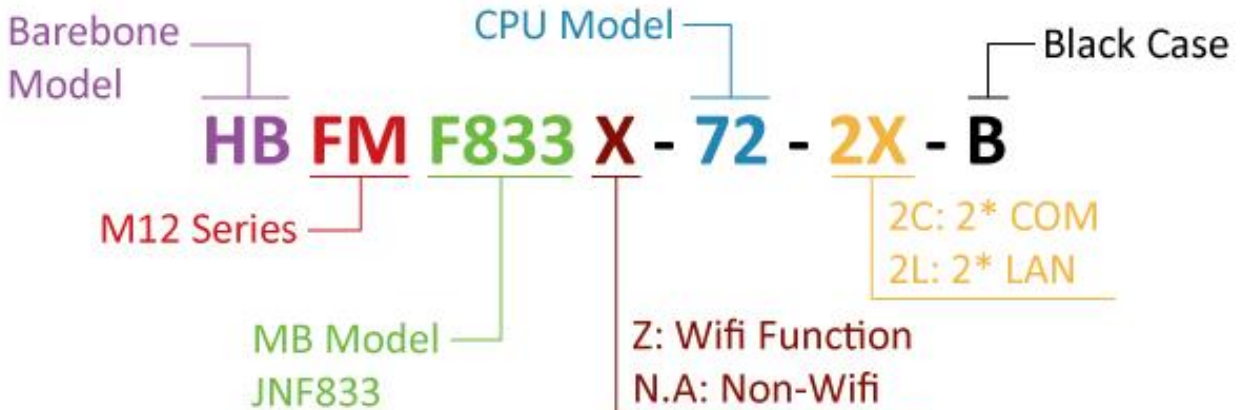
X-LABEL741-F

HBFM833-72-2C-B



X-LABEL740-F

Part Number Rule



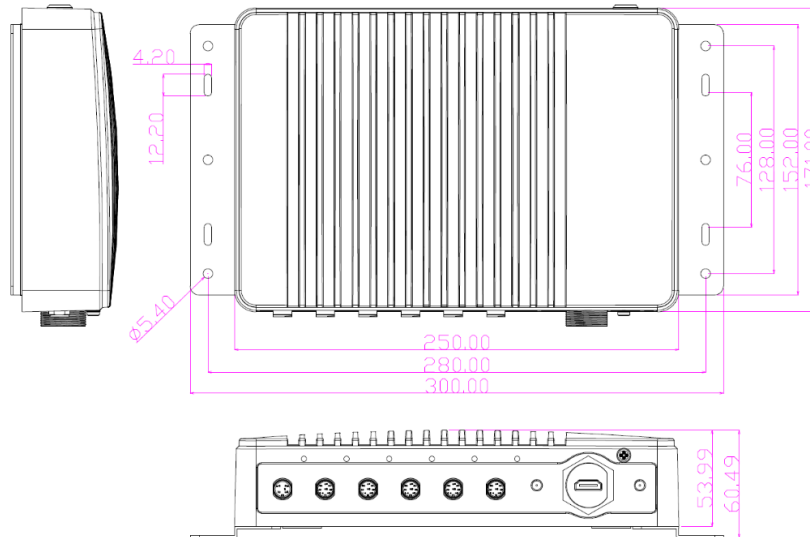
Specifications

MB Model	● JNF833 Series / 3.5" SBC	
Part No	Non-Wifi	Mini PCIe ac Wifi card
	<ul style="list-style-type: none"> ● HBFMF833-72-2C-B ● HBFMF833-72-2L-B 	<ul style="list-style-type: none"> ● HBFMF833Z-72-2C-B ● HBFMF833Z-72-2L-B
BIOS	● AMI	
CPU/Chipset	<ul style="list-style-type: none"> ● Intel® Skylake/Kabylake U-Series SoC Processor (TDP 15W) <p>Notes: When the system runs, CPU will automatically adjust its working clock frequency according to changing workload.</p>	
Memory	● 2 * SO-DIMM slot DDR4-2133MHz up to 32GB	
Storage	<ul style="list-style-type: none"> ● 1 * 2.5" SATA3 6Gb/s internal drive bay (only support 2.5" HDD with a height ≤ 10mm) ● 1 * full-size mSATA/Mini-PCIe shared slot 	
Network	<ul style="list-style-type: none"> ● 1 * Intel GbE (HBFMF833X-72-2C-B) ● 2 * Intel GbE (HBFMF833X -72-2L-B) ● 1 * half-size Mini-PCIe slot (802.11 ac + BT 4.0 installed in WIFI model) 	
Rear Panel I/O	2* COM Series (HBFMF833-72-2C-B / HBFMF833Z-72-2C-B)	2* LAN Series (HBFMF833-72-2L-B / HBFMF833Z-72-2L-B)
	<ul style="list-style-type: none"> ● 2 * USB2.0 ● 1 * RJ45 ● 2 * COM ● 1 * HDMI (Max. 4096×2160@60Hz) ● 2 * WIFI Antenna (HBFMF833Z-72-2C-B only) ● 1 * DC-in 	<ul style="list-style-type: none"> ● 1 * USB3.0 ● 1 * USB2.0 ● 2 * RJ45 ● 1 * COM ● 1 * HDMI (Max. 4096×2160@60Hz) ● 2 * WIFI Antenna (HBFMF833Z-72-2L-B only) ● 1 * DC-in
Front Panel I/O	<ul style="list-style-type: none"> ● 1 * Power SW ● 1 * Power LED 	
Power Source	<ul style="list-style-type: none"> ● MB support DC 9~24V input ● AC 90~240V input, DC 12V-60W Adapter 	
Compliance	● CE, FCC, LVD, RoHS, ErP Ready	
Waterproof	● IP69K	
Safety	● ESD	
Environment	<ul style="list-style-type: none"> ● Operating Temperature: -20 ~ 70 °C (Under the condition of using mSATA or SSD) ● 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	● 250 (W) x 171 (D) x 54 (H) mm	
Packing	<ul style="list-style-type: none"> ● Net Weight: 4.5KG ● Gross Weight: 5.5KG ● Color Box dimension: 560 (W) * 400 (D) * 380 (H) mm 	

OS Support	<ul style="list-style-type: none"> ● Skylake-U CPU support Win7, Win8, Win10. ● Kabylake-U CPU only support Win10.
Warranty	<ul style="list-style-type: none"> ● 2 Year limited warranty

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

Mechanical Drawings (Unit = mm)



Accessories

Parts Number	Description
-----	HBFMF833 Series
L01AS052-F	Lockable Adapter 12V/60W
Change according to shipping area	Power cord
LCSCBJC3XX-F	Screw Pack
J05-AN2450-74S01-F	Antenna 2G4/5G AN2450-74S01BRS (Wifi only)
HNSCOMWFAWCB161HF	Mini PCIe ac Wifi card (Wifi only)
G01-PWM12-W401-F	M12 DC Cable , L=1.2M

Optional Accessories

Wires are purchased separately according to customer needs

Parts Number	Description
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

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