Expandable
Fanless Embedded System

JBC390F841V series

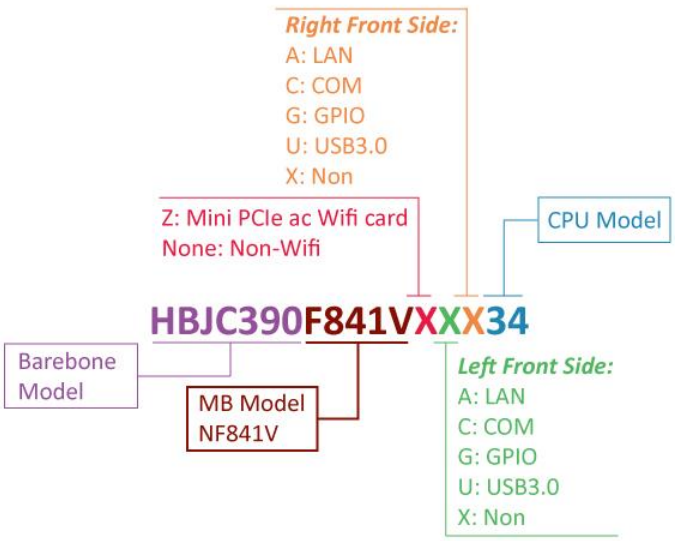
Modular Fanless & Cableless Barebone – Configurable Modules for LAN, COM, GPIO & USB



Base Specifications:

1. Planned Lifecycle through Q3'2031
2. Fanless Intel® Apollo Lake Embedded 10W Processors, Up to 8GB Memory
3. Base MB Spec: 2*Intel 2.5GbE, 2*RS232, 4*USB 3.1 Gen1, 2*HDMI, 1*Line out/Mic combo, 2*Antenna Holes, Locking 12V DC-in
4. Up to 2*4K@30Hz displays, 1*2.5" bay, M.2 SATA 2280, Mini-PCIE for WIFI, Mini-PCIE+SIM for Cellular

Part Number Rule



Specifications

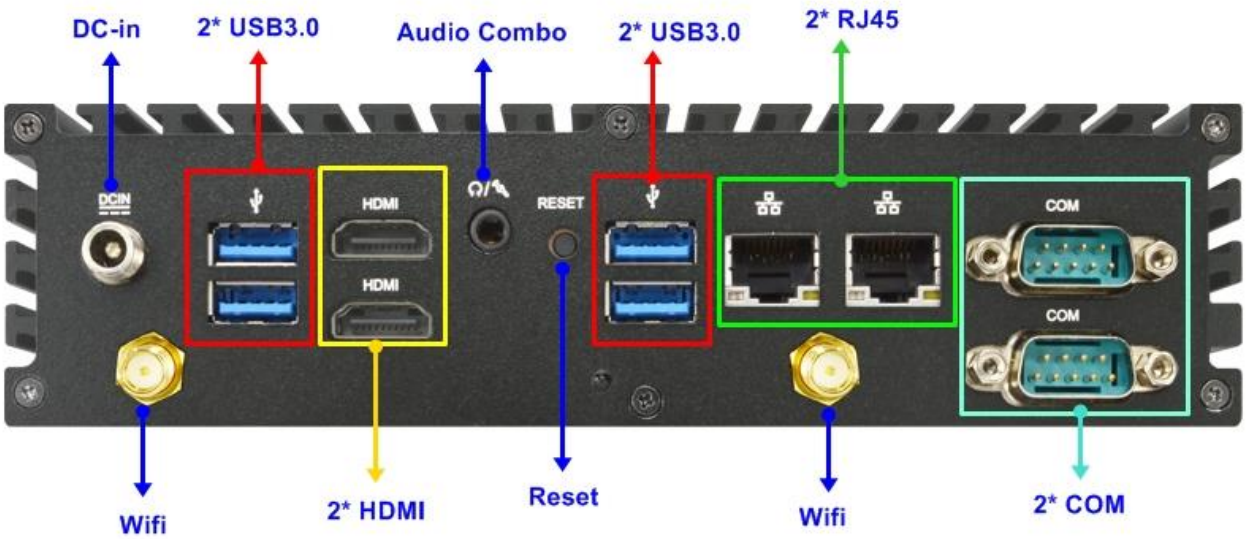
BIOS	AMI Flash ROM
CPU/Chipset	Fanless Intel® Celeron J3455, Apollo Lake, 10W (Call for OEM CPU Options)
Memory	1 * SO-DIMM DDR3L-1866 up to 8GB max
Storage	● 1 * 2.5” SATA3 drive bay (height ≤ 10mm) ● 1 * M.2 M-key SATA 2280
Network	● 2 * Intel 2.5GBE + up to 8 additional Intel 1GBE (check models)
Expansion	● 1 * Full-size Mini-PCIE (for WIFI) ● 1 * Full-size Mini-PCIE with SIM (for Cellular)
Rear Panel I/O	● 4 * USB 3.2 Gen1 (USB 3.0) ● 2 * HDMI 1.4b 4K@30Hz ● 2 * RJ45 ● 1* Line-out/MIC combo jack ● 2 * Serial (RS232) ● 2 * Antenna holes ● Reset button ● Locking 12V DC-in jack
Front Panel I/O	● (Check models for detailed specifications) ● Power button & LED ● Two Module Slots supporting up to (2) of the following modules: ● COM (Expansion Module 4 * RS232/422/485) ● Intel Gigabit LAN (Expansion Module 4 * Intel 1GBE) ● USB 3.2 Gen1 (Expansion Module 4 * USB 3.2 Gen1 (USB 3.0)) ● GPIO (Expansion Module 16bit GPIO)
Power Source	● DC 12V / 60W Adapter ● AC 90~240V input
Compliance	CE, FCC, RoHS, ErP Ready
Temperature	● Operating Temperature: -20 ~ 60°C (using M.2 SSD) (0-50C using 2.5” drive) ● Storage Temperature: -10 ~ 70°C
Dimensions	185 (W) x 165 (D) x 48 (H) mm
OS Support	Windows 10, Linux
Warranty	2 Years Limited Warranty
Applications	● Industrial Control System ● Networking Appliance System

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

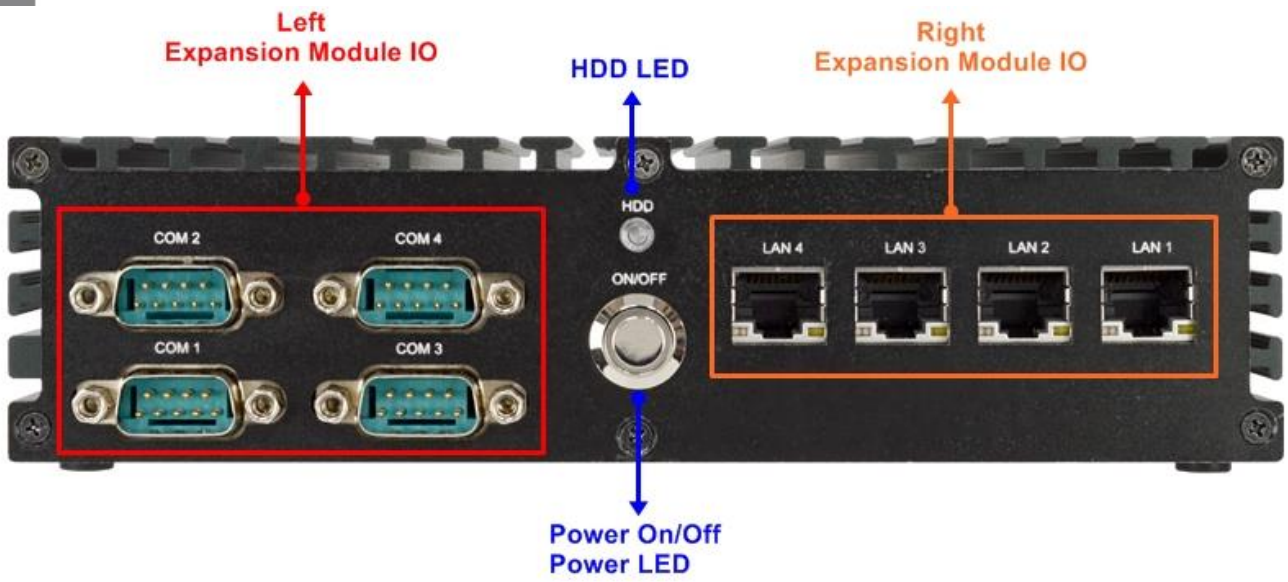
Model Number	Front Picture
● Model: JBC390F841VAA ● **Part#: HBJC390F841VAA34B** ● 2*2.5GbE, 8*1GbE, 2*COM, 4*USB3	
● Model: JBC390F841VAG ● **Part#: HBJC390F841VAG34B** ● 2*2.5GbE, 4*1GbE, 2*COM, 4*USB3, 16bit GPIO	
● Model: JBC390F841VAU ● **Part#: HBJC390F841VAU34B** ● 2*2.5GbE, 4*1GbE, 2*COM, 8*USB3	
● Model: JBC390F841VCA ● **Part#: HBJC390F841VCA34B** ● 2*2.5GbE, 4*1GbE, 6*COM, 4*USB3	
● Model: JBC390F841VCC ● **Part#: HBJC390F841VCC34** ● 2*2.5GbE, 10*COM, 4*USB3	
● Model: JBC390F841VCG ● **Part#: HBJC390F841VCG34B** ● 2*2.5GbE, 6*COM, 4*USB3, 16bit GPIO	
● Model: JBC390F841VCU ● **Part#: HBJC390F841VCU34B** ● 2*2.5GbE, 6*COM, 8*USB3	
● Model: JBC390F841VCX ● **Part#: HBJC390F841VCX34B** ● 2*2.5GbE, 6*COM, 4*USB3	
● Model: JBC390F841VGG ● **Part#: HBJC390F841VGG34B** ● 2*2.5GbE, 2*COM, 4*USB3, 32bit GPIO	

● Model: JBC390F841VGU ● **Part#: HBJC390F841VGU34B** ● 2*2.5GbE, 2*COM, 8*USB3, 16bit GPIO	
● Model: JBC390F841VXA ● **Part#: HBJC390F841VXA34B** ● 2*2.5GbE, 4*1GbE, 2*COM, 4*USB3	
● Model: JBC390F841VXG ● **Part#: HBJC390F841VXG34B** ● 2*2.5GbE, 2*COM, 4*USB3, 16bit GPIO	
● Model: JBC390F841VXU ● **Part#: HBJC390F841VXU34B** ● 2*2.5GbE, 2*COM, 8*USB3	

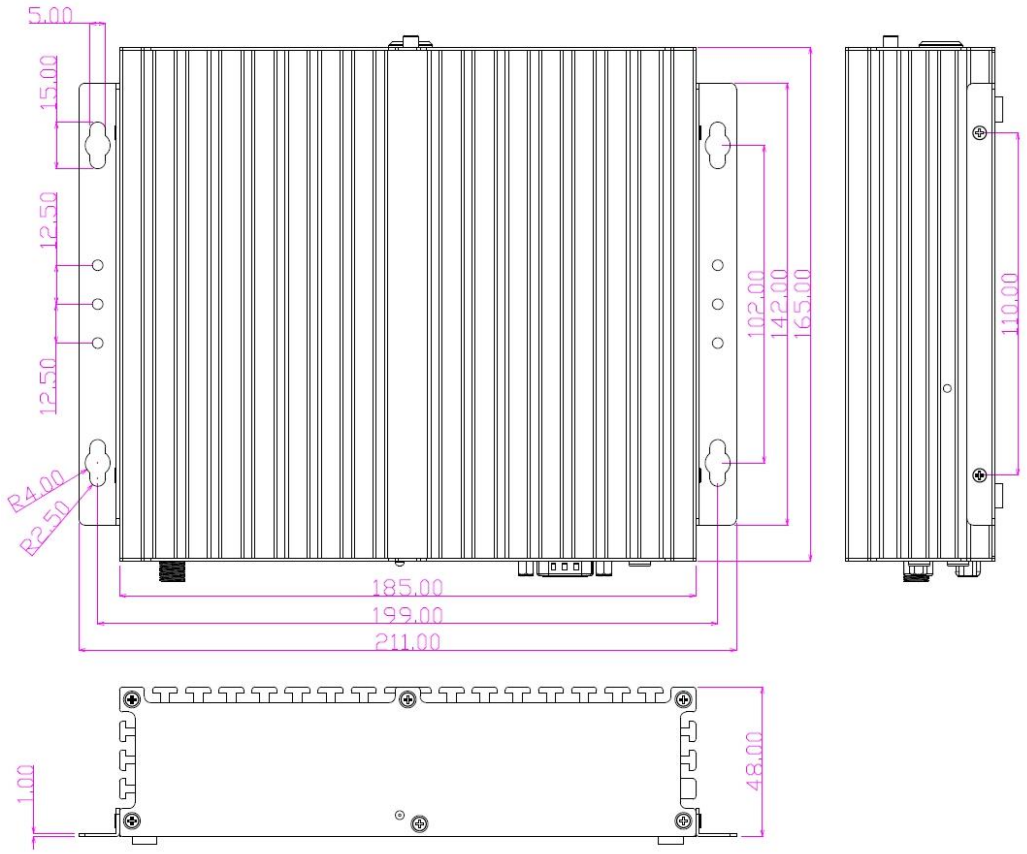
Rear



Front



Mechanical Drawings (Unit = mm)



Jetway Computer Corporation
Phone: 510-857-0130 Fax: 510-857-0138
8058 Central Ave., Newark, CA 94560
www.jetwaycomputer.com