

HBJC153I23 Series

Intel® 12 th/13 th (Alder Lake-S /Raptor Lake-S) Core i9/i7/i5/i3 Pentium LGA1700 Socket Processor,
DDR5 up to 64GB, 8* 2.5GbE LAN

Features

1. Intel® 12 th/13 th LGA1700 Socket Processor
2. Intel® Q670E Chipset
3. 2* DDR5 4800MHz/5600MHz SO-DIMM up to 64GB
4. 2* 2.5" SATA HDD device support RAID 0, 1
5. 1* M.2 (M-key, 2242/2280), 1*M.2 (M-key, 2280), 1* M.2 (E-key), 1* M.2 (B-key), 1* PCIe4
6. 8* 2.5GbE, 2* USB3.2 (Gen.2), 2* USB3.2 (Gen.1), 2* COM, 1* HDMI
7. 1U FLEX 400W Power
8. Support TPM2.0 (option)



intel FC CE RoHS COMPLIANT

Front



Rear

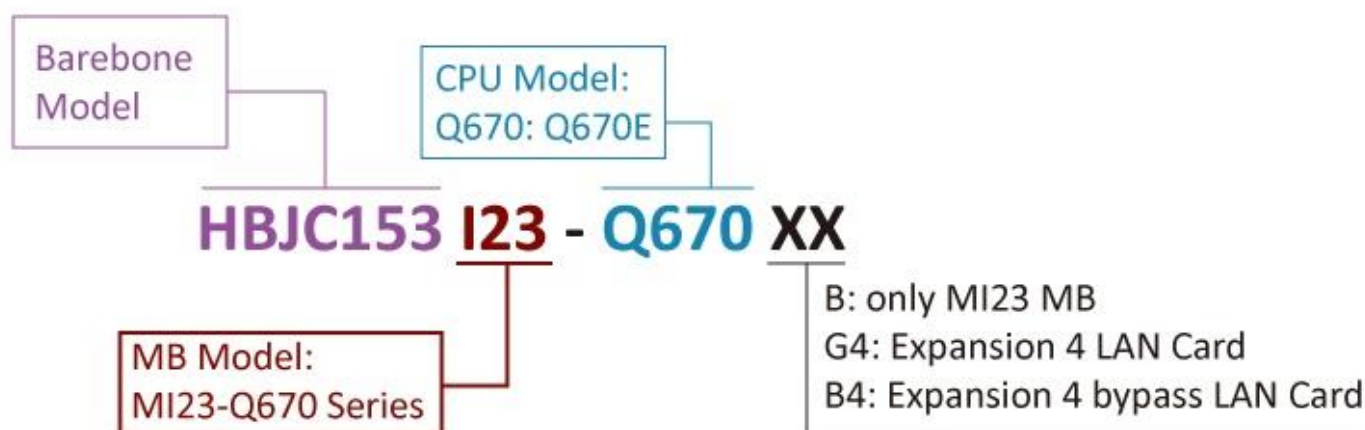


Specifications

Model	<ul style="list-style-type: none"> • HBJC153I23-Q670B (Default) • HBJC153I23-Q670G4 (Expansion PCIe 4* Lan Card) system total up to 12* LAN ports • HBJC153I23-Q670B4 (Expansion PCIe 4* Bypass Lan Card) system total up to 12* LAN ports
MB Model	<ul style="list-style-type: none"> • MI23-Q6700 (Q670E) • MI23-Q6702 (optional , Q670E,onboard TPM2.0)
CPU / Chipset	<ul style="list-style-type: none"> • Intel® 12th/13th (Alder Lake-S /Raptor Lake-S) LGA1700 Socket Core i7/i5/i3/Pentium/Celeron Processor (Max. 65W TDPs under 180A) • Intel® Q670E Chipset
BIOS	<ul style="list-style-type: none"> • AMI Flash ROM • Support recover crashed BIOS data tool by a USB flash pen driver: Using JetBIOS SW back up tool with any external USB ports
Memory	<ul style="list-style-type: none"> • Intel® 12th CPU support 2* DDR 4800MHz SO-DIMM up to 64GB • Intel® 13th CPU support 2* DDR 5600MHz SO-DIMM up to 64GB
Network	<ul style="list-style-type: none"> • 7* Intel® i225-V 2.5GbE • 1* Intel® i225-LM 2.5GbE
Graphics	<ul style="list-style-type: none"> • Intel® UHD Graphics, shared memory • 1* HDMI (Max Resolution: 1920x1080@60Hz)
Storage	<ul style="list-style-type: none"> • 1* M.2 M-key (2242/2280, PCIe Gen.4x4 w/SATA interface) • 1* M.2 M-key (2280, PCIe Gen.4x4 w/SATA interface) support NVMe • 2* 2.5" SATA HDD device support RAID 0, 1 (support 2.5" HDD with a height ≤10mm)
Expansion	<ul style="list-style-type: none"> • 1* M.2 E-key (2230, USB2.0/PCIe x1) support CNVi • 1* M.2 B-key (3042, USB3.2 Gen.1/USB2.0/PCIe x1 interface) support 4G Module • 1* PCIe Gen.4x4 slot
Rear Panel I/O	<ul style="list-style-type: none"> • AC input CON • Power on/off SW
Front Panel I/O	<ul style="list-style-type: none"> • 8* RJ45 • 2* USB3.2 (Gen.2) • 2* USB3.2 (Gen.1) • 1* COM (RS232) (Not installed when leaving the factory, the wires are placed in the parts box) • 1* HDMI (Not installed when leaving the factory, the wires are placed in the parts box) • 1* Alarm LED, 1* Power LED • Power on/off SW
Internal Connector	<ul style="list-style-type: none"> • SIM Card Holder
Power Source	<ul style="list-style-type: none"> • Power : 1U FLEX 400W POWER • MB : ATX Power Input (24pin ATX + 4pin 12V)
Compliance	<ul style="list-style-type: none"> • CE, FCC, LVD, RoHS, ErP Ready
Dimensions	<ul style="list-style-type: none"> • System: 430 (W) x 252 (D) x 44(H) mm • Box: 560 (W) x 400 (D) x 380 (H) mm
Temperature	<ul style="list-style-type: none"> • Operating Temperature: 0 ~ 50° C • Storage Temperature: -40 ~ 85° C • Humidity: 10%~95% @40° C (non-condensing)
OS Support	<ul style="list-style-type: none"> • Windows 11, Linux
Warranty	<ul style="list-style-type: none"> • 2 Years limited warranty

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

Part Number Rules



Standard Accessories

Part Number	Description
-----	HBJC153I23 series
F07-FN9025-F	1*LGA1700 CPU FAN
G01-GPIO9-M30D-F	1*COM cable, L=30cm
G01-2X10A-HDMI-1F	1*HDMI cable, L=25cm
Change according to shipping area	1*Power cord
LCSCJC150-F	1*Screw Pack

Mechanical Drawings (Unit=mm)

