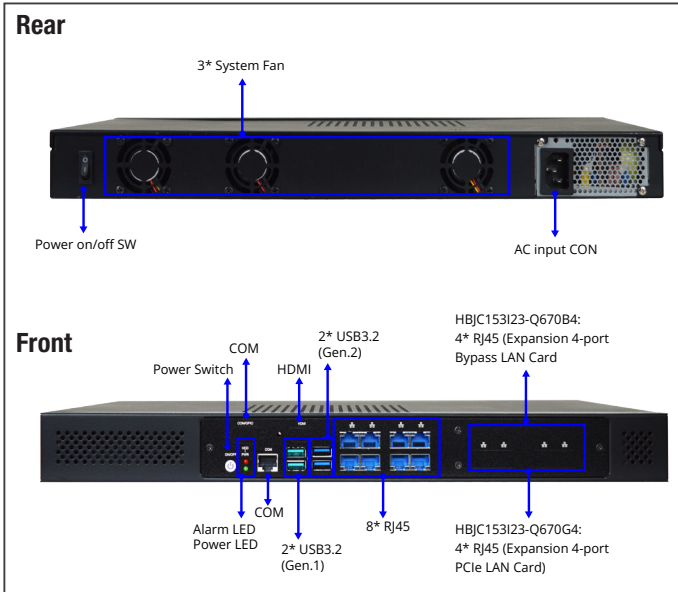


# HBJC153I23

1U Rackmount, Intel® Q670E Chipset, supports up to 96GB DDR5 memory, with 8x 2.5GbE ports for high-speed networking



## Features

- **Supports Intel® 12th/13th Gen Processors: LGA1700 Socket for powerful performance**
- **Power by Intel® Q670E Chipset: Ensures stability and efficiency**
- **DDR5 Memory: 2x 4800MHz/5600MHz SO-DIMM up to 96GB**
- **8 x 2.5GbE Ethernet Ports: Faster networking and data transfers**
- **RAID Support: 2x 2.5" SATA HDD with RAID 0, 1**
- **Versatile Expansion: 1x M.2 (2242/2280), 1x M.2 (2280), 1x M.2 (E-key), 1x M.2 (B-key), 1x PCIe x4**
- **Comprehensive I/O: 2x USB 3.2 Gen 2, 2x USB 3.2 Gen 1, 2x COM, 1x HDMI**
- **1U FLEX 400W Power Supply: Efficient power for rackmount systems**

## Packing List

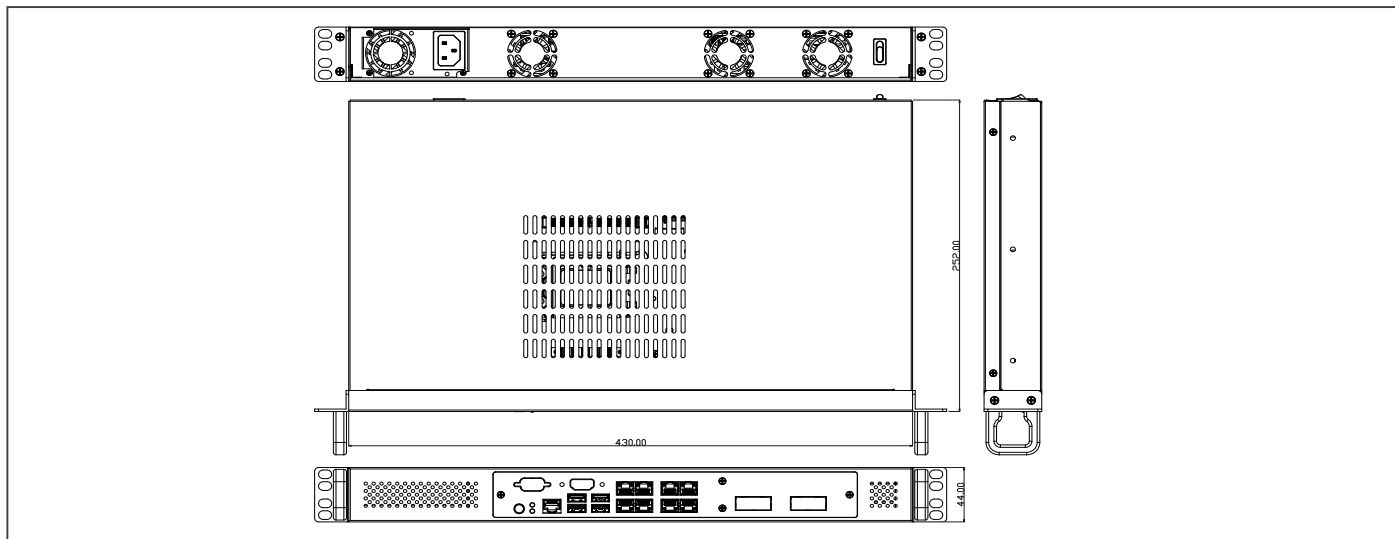
Part Number	Description	QTY per Board
HBJC153I23 Series	HBJC153I23	1
F07-FN9025-F	LGA1700 CPU FAN	1
G01-GPIO9-M30D-F	COM Cable, L=30cm	1
G01-2X10A-HDMI-1F	HDMI Cable, L=25cm	1
Change according to shipping area	Power Cord	1
LCSCJC150-F	Screw Pack	1

## Specifications

SYSTEM	
MB FORM FACTOR	Mini-ITX
CPU	Intel® LGA1700 Socket, 12/13/14th gen processors (Max. TDP 65W) For additional compatible CPUs, please contact regional sales
CHIPSET	Intel® Q670E
MEMORY	2 x Intel® 12th/13th/14th CPU supports DDR5 4800MHz Dual Channel SO-DIMM, up to 96GB max 2 x Intel® 13th/14th CPU supports DDR5 5600MHz Dual Channel SO-DIMM, up to 64GB max Actual memory support depends on the specific CPU and model
BIOS	AMI Flash ROM
WAKE ON LAN	Yes
WATCHDOG TIMER	255 Levels
SECURITY	TPM2.0
RTC BATTERY	Lithium Battery
OS SUPPORT	Windows® 11 (64bit) Linux
POWER	
POWER REQUIREMENT	1U FLEX 400W ATX PWR (4+24 pin) MB : ATX Power Input (24pin ATX + 4pin 12V)
POWER ON MODE	ATX (Default) Mode
DISPLAY	
GPU	Intel® UHD Graphics, shared memory
HDMI	1 x HDMI (Max Resolution: 1920x1080@60Hz)
LAN	
ETHERNET	7 x RJ45 for Intel® i225-V 2.5GbE 1 x RJ45 for Intel® i225-LM 2.5GbE
SYSTEM I/O	
REAR PANEL I/O	AC input CON Power on/off SW
FRONT PANEL I/O	8 x RJ45 2 x USB 3.2(Gen.2) 2 x USB3.2 (Gen.1) 1 x RS-232 1 x HDMI 1 x Alarm LED 1 x Power LED 1 x Power Switch
STORAGE	
SATA	2 x 2.5" SATA 6Gb/s internal drive bay (only Support 2.5" HDD with a height ≤ 10mm)
EXPANSION	
M.2	1 x M-key 2242/2280 (PCIe Gen.4x4 w/SATA interface) 1 x M-key 2280 (PCIe Gen.4x4 w/SATA interface) support NVMe 1 x E-Key 2230 (USB 2.0/PCIe x1) Support CNVi 1 x B-key 3042 (USB3.2 Gen.1/USB2.0/PCIe x1 interface) support 4G Module
PCI-E	1 x PCIe x4
SIM	1 x SIM Card Slot
MECHANICAL	
DIMENSIONS (W x H x D)	430.0 (W) x 252.0 (D) x 44.0 (H) mm
ENVIRONMENT & CERTIFICATION	
SHOCK	15G, 11ms duration
VIBRATION	1 Grms/ 5~ 500Hz/ Operation
OPERATING TEMPERATURE	0°C ~ 50°C (32°F ~ 122°F)
STORAGE TEMPERATURE	-40°C ~ 85°C (-40°F ~ 185°F)
OPERATING HUMIDITY	10 ~ 95% @ 40°C, Non-condensing
CERTIFICATION	CE/FCC Class A LVD
ESG DECLARATION	EU RoHS China RoHS ErP

## Dimension

Unit: mm



## Ordering Information

Part Number	HBJC150I225-Q670B	HBJC153I23-Q670G4	HBJC153I23-Q670B4
CPU	Intel® Processor Q670E	Intel® Processor Q670E	Intel® Processor Q670E
MEMORY	2 x DDR5 SO-DIMM, up to 96GB	2 x DDR5 SO-DIMM, up to 96GB	2 x DDR5 SO-DIMM, up to 96GB
SECURITY	TPM2.0 (Optional)	TPM2.0 (Optional)	TPM2.0 (Optional)
GPU	Intel® UHD Graphics, shared memory	Intel® UHD Graphics, shared memory	Intel® UHD Graphics, shared memory
DP	-	-	-
HDMI	1 x HDMI	1 x HDMI	1 x HDMI
VGA	8 x 2.5GbE	8 x 2.5GbE	8 x 2.5GbE
MULTIPLE DISPLAY	AC input CON	AC input CON	AC input CON
ETHERNET	1 x Power Switch	1 x Power Switch	1 x Power Switch
I/O	8 x RJ45	8 x RJ45	8 x RJ45
I/O	2 x USB 3.2 Gen 2	2 x USB 3.2 Gen 2	2 x USB 3.2 Gen 2
I/O	2 x USB 3.2 Gen 1	2 x USB 3.2 Gen 1	2 x USB 3.2 Gen 1
I/O	1 x RS-232	1 x RS-232	1 x RS-232
I/O	1 x HDMI	1 x HDMI	1 x HDMI
I/O	1 x Alarm LED	1 x Alarm LED	1 x Alarm LED
I/O	1 x Power LED	1 x Power LED	1 x Power LED
I/O	1 x Power Switch	1 x Power Switch	1 x Power Switch
SATA	2 x 2.5" SATA HDD	2 x 2.5" SATA HDD	2 x 2.5" SATA HDD
M.2	1 x M-Key 2242/2280	1 x M-Key 2242/2280	1 x M-Key 2242/2280
M.2	1 x M-Key 2280	1 x M-Key 2280	1 x M-Key 2280
M.2	1 x E-Key 2230	1 x E-Key 2230	1 x E-Key 2230
M.2	1 x B-Key 3042	1 x B-Key 3042	1 x B-Key 3042
PCIE	1 x PCIE x4	1 x PCIE x4	1 x PCIE x4
OTHER	-	4-port PCIe LAN Card	4-port Bypass LAN C ard
OPERATING TEMPERATURE	0°C ~ 50°C (32°F ~ 122°F)	0°C ~ 50°C (32°F ~ 122°F)	0°C ~ 50°C (32°F ~ 122°F)