

HB651I215 Series

Intel® Q670E Chipset support LGA 1700 socket for the 12th/13th Gen i9/i7/i5/i3 processor, support DDR5 up to 64GB

Features

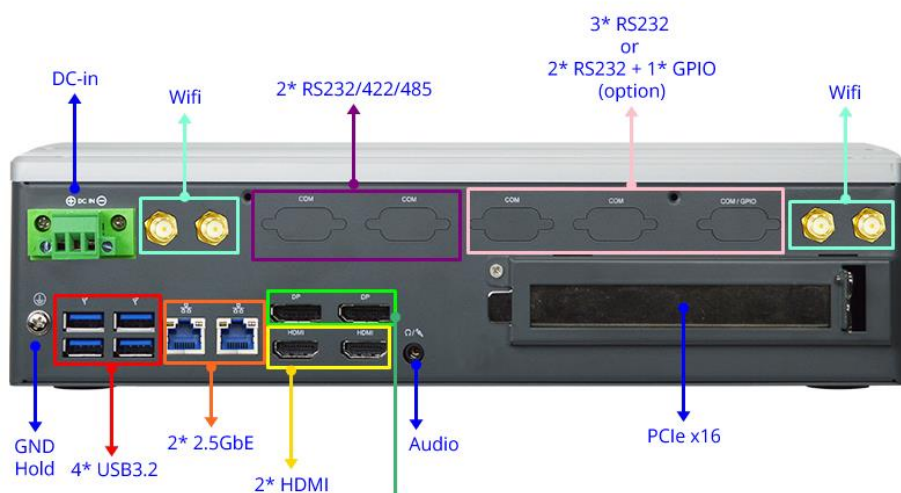
1. Intel® 12/13th (Alder Lake-S/Raptor Lake-S) LGA1700 Socket Processor (Max. 65W TDP)
2. Intel® Q670E chipset
3. 2* DDR5 4800MHz/5600MHz SO-DIMM up to 64GB
4. 2* 2.5GbE Ethernet Ports
5. 2* M.2 M-key, 1* M.2 E-key, 1* M.2 B-key
6. Single PCI Express x16(Gen.4)
7. 2* HDMI and 2* DP support Quad displays
8. 2* RS232/422/485, 4* RS232, 4* USB3.2(Gen.2), 4* USB2.0
9. Dimensions: 306 * 199 * 79 mm
10. Adapter DC19V/120W



Front I/O



Rear I/O

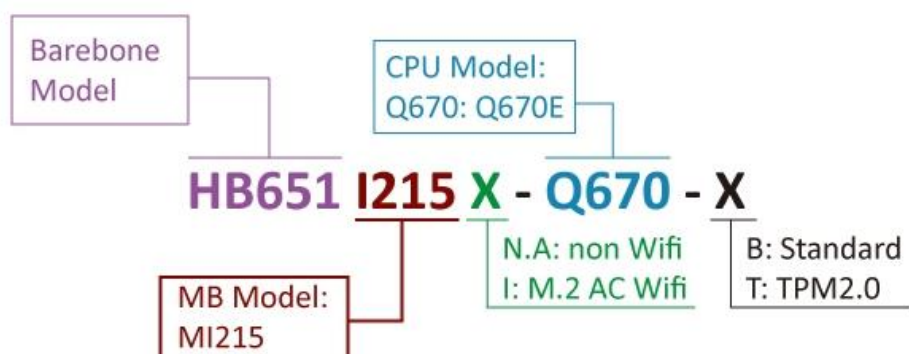


Specifications

Model	• HB651I215-Q670-B (non-WiFi) & HB651I215I-Q670-B (WiFi) • HB651I215-Q670-T (non-WiFi) & HB651I215I-Q670-T (WiFi)
CPU / Chipset	• Intel® 12th /13th (Alder Lake-S/Raptor Lake-S) LGA1700 Socket Core i9/i7/i5/i3/Pentium/Celeron Processor • Max. 65W TDP • Intel® Q670E chipset
MB model	• MI215Q6700 • MI215Q6702 (TPM2.0)
BIOS	• AMI Flash ROM BIOS
Memory	• Intel® 12th CPU support 2* DDR5 4800MHz Dual Channel SO-DIMM up to 64GB • Intel® 13th CPU support 2* DDR5 5600MHz Dual Channel SO-DIMM up to 64GB
Network	• 1* Intel i225-V 2.5GbE • 1* Intel i225-LM 2.5GbE
Graphics	• Intel® HD Graphics, shared memory • 2* DP1.4a (Max Resolution: 4096x2304@60Hz) • 2* HDMI 2.0b (Max Resolution: 4096x2160@60Hz) • Support Quad Displays
Audio	• HD audio: Realtek ALC888S (with 3W Amp.)
Storage	• 1* M.2 M-key (2242, SATA/PCIe Gen.4 x4 interface) support NVMe • 1* M.2 M-key (2280, SATA/PCIe Gen.3 x4 interface) support NVMe • 1* 2.5" SATA Device
Expansion	• 1* M.2 E-key (2230, PCIe x1/USB2.0 interface) support CNVio • 1* M.2 B-key (3042/3052, USB3.1/USB2.0/PCIe x1 interface)
Rear Panel I/O	• 4* USB3.2 (Gen.2) • 2* LAN • 2* HDMI • 2* DP • 1* Audio jack (Line-out/MIC combo) • 1* DC-in (3 PIN Industrial Connector) • 5* COM (2*RS232/422/485, 3*RS232)
Front Panel I/O	• 1* Power button , 1* Reset • 1* Power LED, 1*HDD LED • 4* USB2.0 • 1* FAN link con
Internal Connector	• SIM Card Holder • 1*GPIO
Power Source	• Adapter : AC 90~240V input / DC19V_120W output • MB : DC12~36V input
Compliance	• CE, FCC, LVD, RoHS, ErP Ready
Dimensions	• System : 306 (W) * 199 (D) *79 (H) mm • Net Weight: 5.5 KG: Gross Weight: 6.5 KG
Temperature	• Operating Temperature: -20 ~ 60° C (35W CPU) • Operating Temperature: -20 ~ 50° C (65W CPU) • (Under the condition of using M.2 interface SSD) • Storage Temperature: -40 ~ 85° C • Humidity: 10% ~ 95% RH @40°C (non-condensing)
OS Support	• Windows 11, Linux
Warranty	• 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
-----	HB651I215 series
HCS650MWM01B-F	WALL MOUNT KITS
-----	Adapter DC19V/120W
Change according to shipping area	Power cord (Change according to shipping area)
LCSCHBFDXXX-F LCSCHBJC3XX-F	1*Screw Pack
J2PCIE16RISER1AR10	1*PCI-E X16 RISER CARD
J05-ANT-GX57245-F	2*Antenna 2G4/5G 2.8dBi (WiFi only)
G01-SA715S7P422F	1*SATA 22P Cable
HCFAN65X-DC1225	1*DC1225 FAN Expansion module (option)

Mechanical Drawings (Unit=mm)

