

Intel R680E Chipset support LGA 1700 socket for the 13th Gen i9/i7/i5/i3 processor, support DDR5-5600MHz up to 64GB

Features

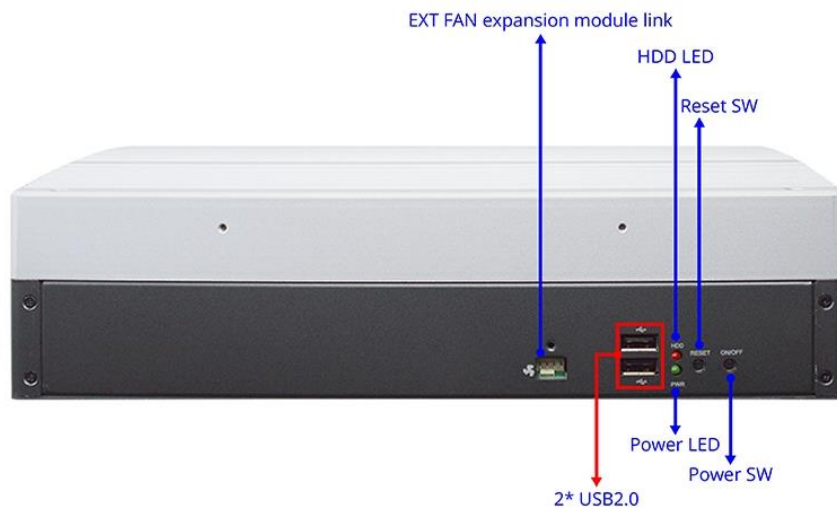
1. Intel® 13th LGA1700 Socket Processor
2. 2* DDR5 5600MHz SO-DIMM up to 64GB
3. 2* 10/100/1000/2500 Base-T Ethernet Ports
4. 2* M.2 M-key, 1* M.2 E-key, 1* M.2 B-key
5. Hailo-8 expansion card , up to 52/104 TOPS
6. 1* HDMI , 2* RS232/422/485, 4* RS232, 8* USB3.2(Gen.2), 2* USB2.0
7. Dimensions: 306 * 199 * 79 mm
8. Adapter DC19V/120W

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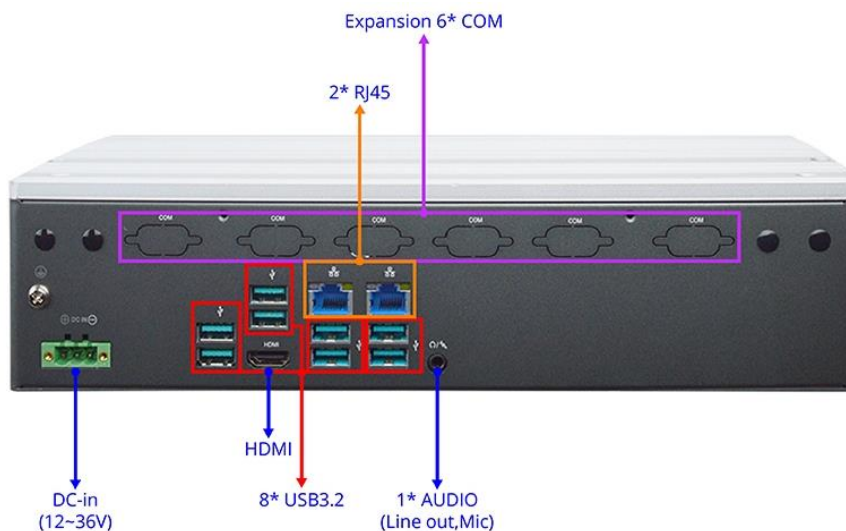


intel. FC CE RoHS
COMPLIANT

Front I/O



Rear I/O

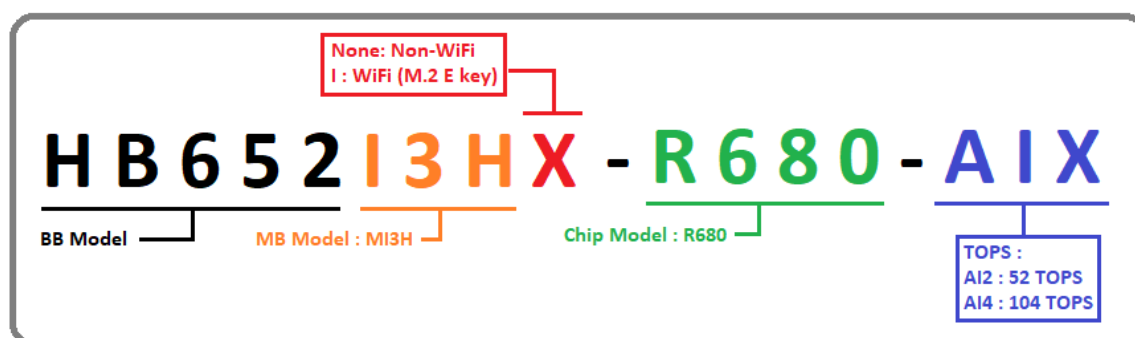


Specifications

Model	<ul style="list-style-type: none"> • HB65213H-R680-AI2 (non-WiFi) & HB651I3HI-R680-AI2 (WiFi) / (1* HAILO-8™ Card / 52 TOPS) • HB65213H-R680-AI4 (non-WiFi) & HB651I3HI-R680-AI4 (WiFi) / (2* HAILO-8™ Card / 104 TOPS)
CPU / Chipset	<ul style="list-style-type: none"> • Intel® 13th LGA1700 Socket Core i9/i7/i5/i3/Pentium/Celeron Processor • Intel R680E CHIP • Max. TDP 65W
MB model	<ul style="list-style-type: none"> • MI3H-R6802 (TPM2.0)
BIOS	<ul style="list-style-type: none"> • AMI Flash ROM BIOS
Memory	<ul style="list-style-type: none"> • 2* DDR5 5600MHz Dual Channel SO-DIMM up to 64GB
Network	<ul style="list-style-type: none"> • 1* Intel i225-V 2.5GbE • 1* Intel i225-LM 2.5GbE
Graphics	<ul style="list-style-type: none"> • 1* HDMI (Intel® HD Graphics, shared memory)
Audio	<ul style="list-style-type: none"> • HD audio: Realtek ALC897/ALC888S (with 3W Amp.)
Storage	<ul style="list-style-type: none"> • 2* M.2 M-key (2242/2280, PCIe Gen.4x4) support NVMe • 1* 2.5" SATA Device
Expansion	<ul style="list-style-type: none"> • 1* M.2 E-key (2230, PCIe Gen.3x1/USB2.0) support CNVio • 1* M.2 B-key (3042/3052, USB3.2/USB2.0/PCIe Gen.3x1)
AI Accelerator	<ul style="list-style-type: none"> • 1 / 2 Hailo-8 AI Card (by model) <p>Note : There are 2 HAILO-8 chips on each AI expansion card , Expansion through PCIe x 8 slot</p>
Rear Panel I/O	<ul style="list-style-type: none"> • 8* USB3.2 (Gen.2) • 2* LAN • 1* HDMI • 1* Audio jack (Line-out/MIC combo) • 1* DC-in (3 PIN Industrial Connector) • 6* COM (2*RS232/422/485,4*RS232)
Front Panel I/O	<ul style="list-style-type: none"> • 1* Power button , 1* Reset • 1* Power LED, 1*HDD LED • 2* USB2.0 • 1* EXT FAN module link
Internal Connector	<ul style="list-style-type: none"> • SIM Card Holder • 1*GPIO
Power Source	<ul style="list-style-type: none"> • Adapter : AC 90~240V input / DC19V_120W output • MB : DC12~36V input
Compliance	<ul style="list-style-type: none"> • CE, FCC, LVD, RoHS, ErP Ready
Dimensions	<ul style="list-style-type: none"> • System : 306 (W) * 199 (D) *79 (H) mm • Package : 406 (W) * 359 (D) * 148 (H) mm • Net Weight: 5.5 KG: Gross Weight: 6.5 KG
Temperature	<ul style="list-style-type: none"> • Operating Temperature: -20 ~ 50° C (Under the condition of using M.2 interface SSD) • Storage Temperature: -40 ~ 85° C • Humidity: 10% ~ 95% RH @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.

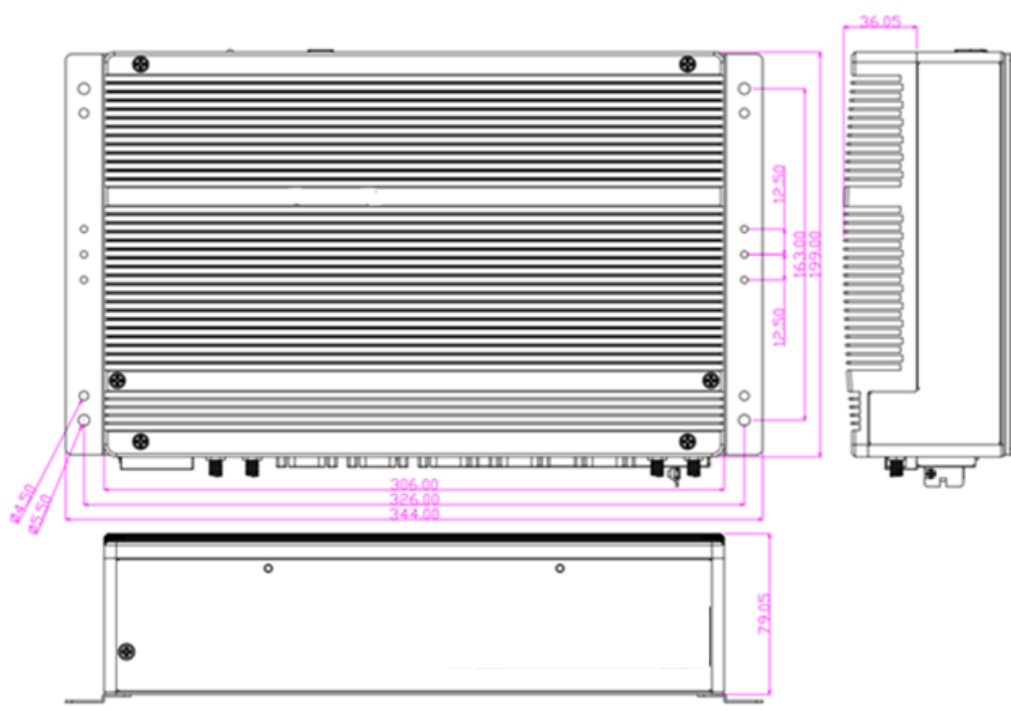
Part Number Rules



Standard Accessories

Part Number	Description	
-----	HB652I3H Series	1 PCS
HCS650MWM01B-F	WALL MOUNT KITS	2 PCS
-----	Adapter DC19V/120W	1 PCS
Change according to shipping area	Power cord (Change according to shipping area)	1 PCS
LCSCHBFDXXX-F & LCSCHBJC3XX-F	Screw Pack	1 PCS
J05-ANT-GX57245-F	Antenna 2G4/5G 2.8dBi (WiFi only)	2 PCS

Mechanical Drawings (Unit=mm)



AI Card collocation diagram

