

GMX-H701 SERIES

10th Gen Intel® Comet Lake-S Core™ i9/i7/i5/i3 Processors



10th-Gen Intel® Comet Lake-S Core™ i9/i7/i5/i3 MXM GPU computer with 2x GbE, 6 x COM, 7x USB and 1x VGA + 4x DP+ 1x HDMI(3x DP & 1x HDMI supports from MXM GPU)

Key Features

- Intel® 第十代 (Comet Lake-S) 搭配 Q470E 晶片組,
- 可搭載高性能 i9/i7/i5/i3 最高 125W CPU
- 支持两个高速网口 · 其中一个高达 2.5 Gigabit LAN 传输
- 支持最大 DDR4/2933/64GB 内存容量
- 支持安装 MXM(Pcie x16) 行動版繪圖顯卡, 最高可支持達 150W 功耗
- 內建 TPM 2.0 安全防晶片
- 5G 通訊支持, 內建 M.2(key B, 3042/3052) 可安裝 5G 通訊模組卡及 SIM 卡
- 支持 Wi-Fi/ 藍芽通訊, 內建 M.2(key E) 可支持 Wi-Fi/ 藍芽模組卡安裝
- 7 个 USB 口支持, 其中高达 4 个最新高速 USB 3.2, 可達 10Gbps 传输速度, 1 个 USB 3.2 Type C 接口, 1 个內置 USB 加密狗接口
- 6 個 COM 口支持, 其中 2 個可支持 RS232/422/485 通訊模式
- 在无 GPU 卡的情况下可支持同时 2 个獨立显示输出 (VGA/DP)
- 搭配 MXM 顯卡可同步輸出 6 個獨立顯示
- 支持 MXM 顯示輸出有 1xHDMI/3x DP
- 內建 2 個 M.2 NVMe(Pcie x4) 可支持高速 SSD
- 配置 2 個可外部抽取更換的 2.5" SSD/HDD 硬盤位, 可实现 RAID 0/1 备份保, 与 M.2 NVMe 搭配可实现 RAID 5 备份保护

Introduction

GMX-H701 is mainly a high-performance GPU computing platform that supports mobile MXM graphics card modules (Type-A/B/B+, Up to 150W). It can install up to DDR4 64GB of memory capacity, support two high-speed network ports, one of which can transmit up to 2.5 Gigabit LAN, 7 external USB interfaces, one built-in USB dongle interface, 6 COM ports support, built-in TPM 2.0 security chip, and support wireless communication such as 4G/5G/WiFi/Bluetooth. It also has 2 built-in M.2 NVME card slots and 2 external 2.5 "SSD/HDD removable hard drives, and can Implement Raid 0/1/5 backup protection.

System Specification

MODEL SERIES	DISPLAY	LAN	COM	USB	STORAGE	EXPANSION	MXM EXPANSION
GMX-H701	6	2	6	7	1x M.2 KEY M. 2242/2260/2280 (PCIe x4/SATA3(6Gb/s))	1x M.2 KEY B. 3042/3052 (PCIe x1/USB 3.2 Gen1/USB 2.0) support 1x SIM slot/4G/5G	1x MXM Type A/B/B+(PCIe x16)
					2x 2.5"(Hot Swappable)/SATA3(6Gb/s)	1x M.2 KEY E. 2230(PCIe x1/USB 2.0) support CNVi	3x DP + 1x HDMI

SYSTEM

CPU	10th Gen Intel® Comet Lake-S Core™ i9/i7/i5/i3 processors
CPU(TDP)	125W
Chipset	Q470E
Graphics	Intel UHD Graphics, MXM Graphics Module
BIOS	AMI SPI 256 Mbit
Watchdog Timer	256 Segments, 0,1,2,...255sec
TPM	TPM 2.0 Header

POWER

DC Input	18~26V
Power Interface	4 pin-Terminal Block
Power on Mode	AT/ATX
Remote Switch	2 pin-Terminal Block
Power Switch	Button
Other Switch	Reset

MECHANICAL

Mounting	Wall Mount, Stand Mount
Antenna Hole	6
Dimension	305.2 x 185.6 x 100 (mm)
Weight	Kg
Cooling	CPU FAN, System FAN, GPU FAN

EXTERNAL I/O

Display	4x Video Ports (1x DP/4096 x 2160@60Hz from CPU, 3x DP/4096 x 2160@60Hz from MXM) 1x HDMI/4096 x 2160@60Hz from MXM 1x VGA/1920 x 1200 @60Hz from CPU
Multipal Display	6 (Hexa Display)
LAN	2x LAN Ports (1x Gigabit/I219LM, 1x 2.5 Gigabit/I225LM)
COM	6x COM Ports (2x RS232/422/485 & 5V/12V, 4x RS232 & 5V/12V)
USB	7x USB Ports (4x USB 3.2 Gen1, 2x USB 2.0, 1x USB 3.2 Gen1/Type C)

MEMORY

Technology	Dual Channel DDR4
Frequency	2933/2666/2400MHz
Maximum Capacity	64GB (Max)
Socket	2x SO-DIMM socket

STORAGE

M.2	2x M.2 KEY M. 2242/2260/2280(PCIe x4/SATA3(6Gb/s))
SATA HDD	2x 2.5"(Hot Swappable)/SATA3(6Gb/s)
Raid Support	Raid 0/1/5

EXPANSION

M.2	1x M.2 KEY B. 3042/3052(PCIe x1/USB 3.2 Gen1/USB 2.0) support 1x SIM slot/4G/5G 1x M.2 KEY E. 2230(PCIe x1/USB 2.0) support CNVi
MXM PCIe Express	1x MXM Type A/B/B+(PCIe x16)
MXM Display	3x DP + 1x HDMI

OTHER

USB Dongle	1x
LED	Power, HDD, LAN

ENVIRONMENT

Storage Temp.	-40° to 85° C
Storage Humidity	0%~95%
Operating Temp.	-10° to 60° C
Operating Humidity	5%~95%

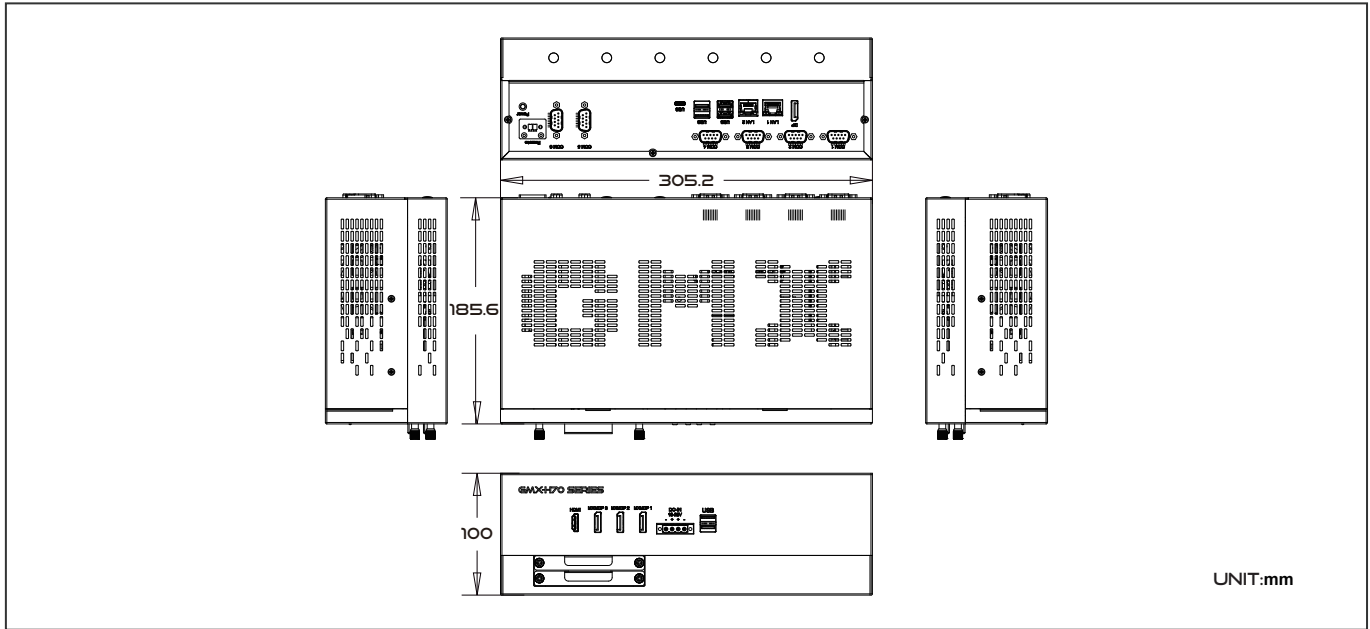
CERTIFICATION

Shock	IEC60068-2-27 / 50G @ Half-sine, 11ms(with SSD)
Vibration	IEC60068-2-64 / 5 Grms, 5-500 Hz, 3 Axes(with SSD)
Certification	CE, FCC Class A

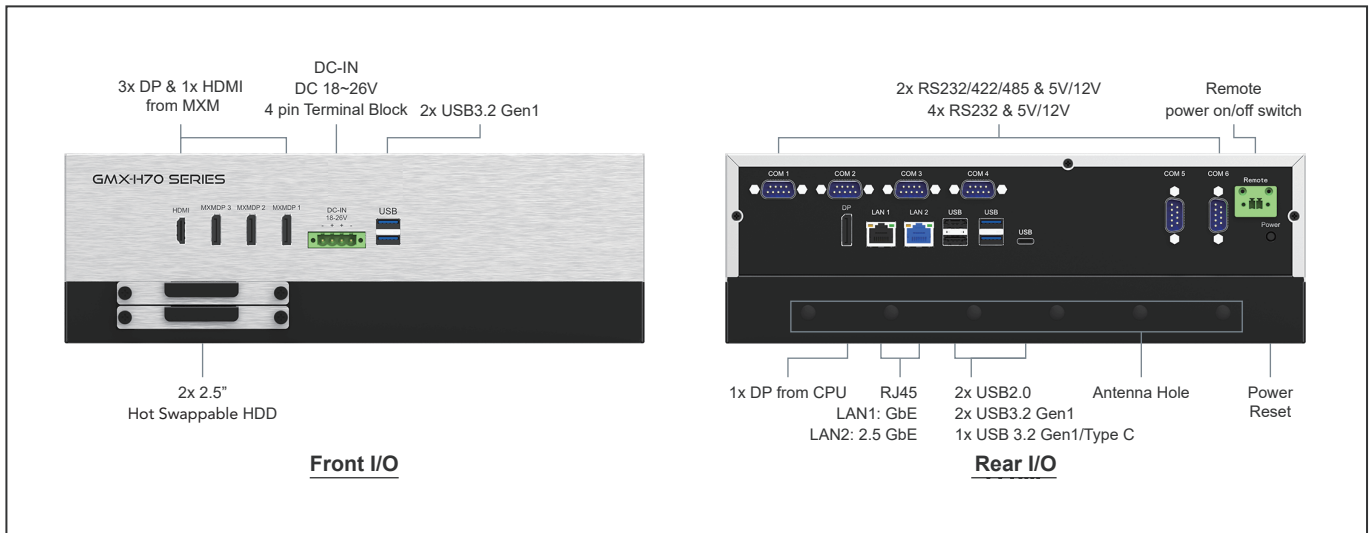
OS

OS Support	Windows 10 Linux
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Dimensions



I/O Interfaces



Ordering Information

Model Name	Description
GMX-H701	10th generation Core™ i9/i7/i5/i3 processor

Optional Accessories

Item NO.	Description
1.	AC/DC Adapter
2.	DDR4 Memory
3.	M.2 Key B+M/2280/NVMe PCIe
4.	4G/5G LTE Module
5.	WiFi & Bluetooth Module
6.	2 Pin Remote Control Terminal Block
7.	Window OS

Packing List

Item NO.	Description
1.	GMX-H701 System x1
2.	Wall Mount Bracket x2
3.	Screw Package x1