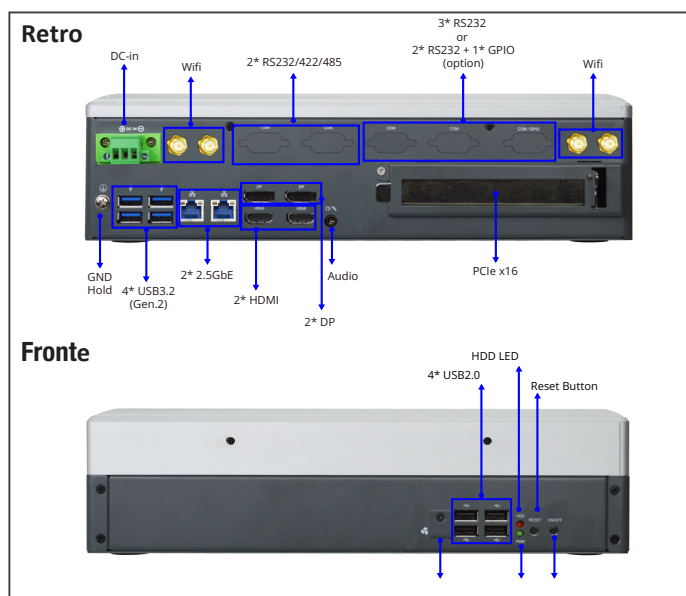


## GV-MVMSI71T - Sistema fanless, per sistemi di videosorveglianza GeoVision VMS18 con processori di 12<sup>a</sup>, 13<sup>a</sup> e 14<sup>a</sup> generazione, con supporto fino a 96 GB di memoria DDR5



### Caratteristiche

- Nativo Windows 11 e VMS GeoVision
- Supporta processori Intel® di 12<sup>a</sup>, 13<sup>a</sup> e 14<sup>a</sup> generazione: compatibile con Alder Lake-S e Raptor Lake-S con socket LGA1700.
- Basato sul chipset Intel® Q670E: per alte prestazioni e affidabilità del sistema.
- Memoria DDR5: 2 slot SO-DIMM da 4800MHz/5600MHz, fino a 96GB.
- Supporto per quattro display: 2 porte HDMI e 2 porte DisplayPort (DP).
- Doppie porte Ethernet 2.5GbE: rete e trasferimenti dati più veloci. Slot di espansione versatili: 2 slot M-key, 1 E-key, 1 B-key per moduli SSD.
- Wi-Fi e cellulari; 1 slot PCIe x16 (Gen4).
- Connettività I/O completa: 2 porte RS232/422/485, 4 porte RS232, 4 porte USB 3.2 Gen 2, 4 porte USB 2.0.
- Alimentazione: adattatore DC 19V/120W per un'erogazione di energia affidabile.

### Packing List

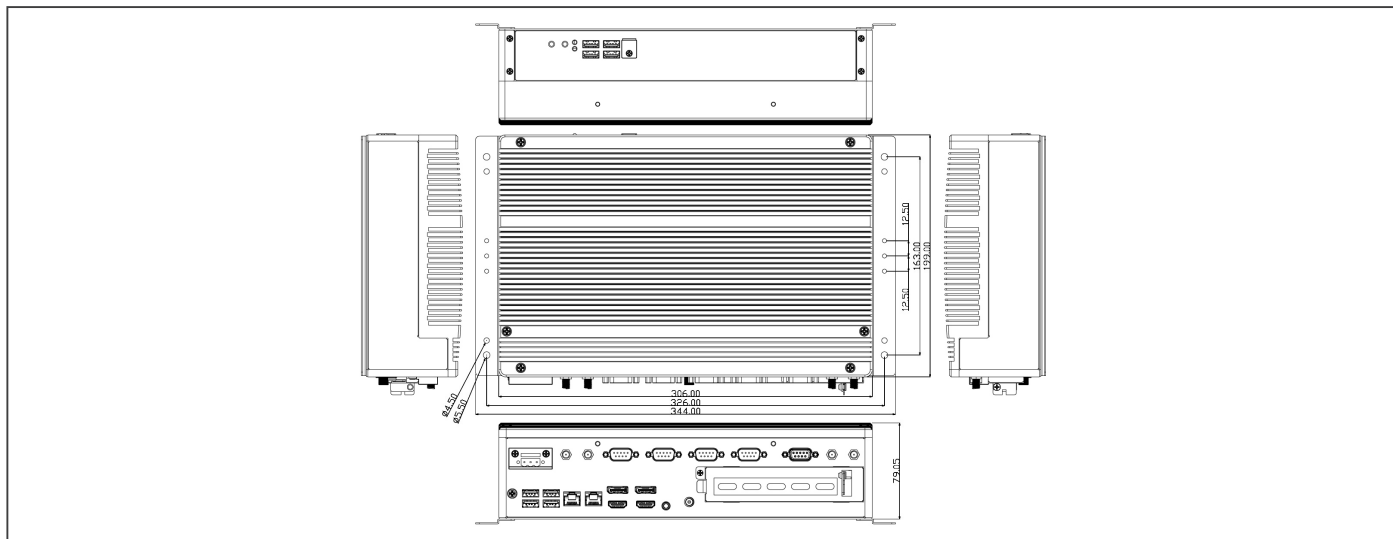
| Part Number                       | Description                          | QTY per Board |
|-----------------------------------|--------------------------------------|---------------|
| HCS650MWM01B-F                    | HB651I215 series 1                   | 1             |
|                                   | WALL MOUNT KITS 1                    | 1             |
|                                   | Adapter DC19V/120W                   | 1             |
| Change according to shipping area | Power Cord                           | 1             |
| LCSCHBFDXXX-F                     | Screw Pack                           | 1             |
| LCSCHBJC3XX-F                     | Screw Pack                           | 1             |
| J2PCIE16RISER1AR10                | PCI-E X16 RISER CARD                 | 1             |
| J05-ANT-GX57245-F                 | Antenna 2G4/5G 2.8dBi (WiFi only)    | 2             |
| G01-SA715S7P422F                  | SATA 22P Cable                       | 1             |
| HCfan65X-DC1225                   | DC1225 FAN Expansion Module (option) | 1             |

### Specifiche

| SYSTEM                      |                                                                                                                                                                                                                                                |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| MB FORM FACTOR              | Mini-ITX                                                                                                                                                                                                                                       |
| CPU                         | Intel® LGA1700 Socket, 12/13/14th gen processors (Max. TDP 35W)<br>Intel® LGA1700 Socket, 12/13/14th gen processors (Max. TDP 65W)                                                                                                             |
| CHIPSET                     | Intel® Q670E                                                                                                                                                                                                                                   |
| MEMORY                      | 2 x Intel® 12th/13th/14th CPU supports DDR5 4800MHz Dual Channel SO-DIMM, up to 96GB max<br>2 x Intel® 13th/14th CPU supports DDR5 5600MHz Dual Channel SO-DIMM, up to 64GB max<br>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)<br>Linux                                                                                                                                                                                                                   |
| POWER                       |                                                                                                                                                                                                                                                |
| POWER REQUIREMENT           | 120W Adapter: AC90~240V, DC19V/6.32A<br>MB : DC9~36V input                                                                                                                                                                                     |
| POWER ON MODE               | AT / ATX (Default) Mode                                                                                                                                                                                                                        |
| DISPLAY                     |                                                                                                                                                                                                                                                |
| GPU                         | Intel® HD Graphics, shared memory                                                                                                                                                                                                              |
| DP                          | 2 x DP1.4a (Max Resolution: 4096×2304@60Hz)                                                                                                                                                                                                    |
| HDMI                        | 1 x HDMI (Max Resolution: 1920×1080@60Hz)                                                                                                                                                                                                      |
| MULTIPLE DISPLAY            | Support 4 Displays                                                                                                                                                                                                                             |
| AUDIO                       |                                                                                                                                                                                                                                                |
| CODEC                       | Realtek ALC888S                                                                                                                                                                                                                                |
| AMPLIFIER                   | 3W                                                                                                                                                                                                                                             |
| LAN                         |                                                                                                                                                                                                                                                |
| ETHERNET                    | 1 x RJ45 for Intel® I225-V 2.5GbE<br>1 x RJ45 for Intel® I225-LM 2.5GbE                                                                                                                                                                        |
| SYSTEM I/O                  |                                                                                                                                                                                                                                                |
| REAR PANEL I/O              | 4 x USB3.2 (Gen.2)<br>2 x LAN<br>2 x HDMI<br>2 x DP<br>1 x Audio (Line out, MIC Combo)<br>1 x DC-in (3 PIN Industrial Connector)<br>2 x RS-232/422/485<br>3 x RS-232                                                                           |
| FRONT PANEL I/O             | 1 x Power Button<br>1 x Reset Button<br>1 x Power LED<br>1 x HDD LED<br>4 x USB 2.0<br>1 x FAN link con                                                                                                                                        |
| STORAGE                     |                                                                                                                                                                                                                                                |
| SATA                        | 1 x 2.5" SATA 6Gb/s Internal Drive Bay (Only Support HDD Hight ≤ 10mm)                                                                                                                                                                         |
| EXPANSION                   |                                                                                                                                                                                                                                                |
| M.2                         | 1 x M-Key 2242 (PCIe Gen.4 x4/SATA interface) support NVMe<br>1 x M-key 2280 (PCIe Gen.3 x4/SATA interface) support NVMe<br>1 x E-Key 2230 (PCIe x1/USB 2.0) Support CNVio<br>1 x B-key 3042/3052 (USB3.1/USB2.0/PCIe x1 interface)            |
| PCI-E                       | 1 x PCI Express x16 (Gen.4)<br>PCI Express x16 is recommended for IO control card expansion. High-power cards in a fanless case may affect performance, so they aren't recommended                                                             |
| SIM                         | 1 x SIM Card Slot                                                                                                                                                                                                                              |
| OTHERS                      |                                                                                                                                                                                                                                                |
| SIM                         | 1 x GPIO (8 Bit)                                                                                                                                                                                                                               |
| MECHANICAL                  |                                                                                                                                                                                                                                                |
| DIMENSIONS (W x H x D)      | 306.0 (W) x 199.0 (D) x 79.0 (H) mm                                                                                                                                                                                                            |
| GROSS WEIGHT                | 6.5 KG                                                                                                                                                                                                                                         |
| NET WEIGHT                  | 5.5 KG                                                                                                                                                                                                                                         |
| ENVIRONMENT & CERTIFICATION |                                                                                                                                                                                                                                                |
| SHOCK                       | 15G, 11ms duration                                                                                                                                                                                                                             |
| VIBRATION                   | 1 Grms/ 5~ 500Hz/ Operation                                                                                                                                                                                                                    |
| OPERATING TEMPERATURE       | -20°C ~ 60°C (35W CPU), -20°C ~ 50°C (65W CPU)                                                                                                                                                                                                 |
| STORAGE TEMPERATURE         | -40°C ~ 85°C (-40°F ~ 185°F)                                                                                                                                                                                                                   |
| OPERATING HUMIDITY          | 10 ~ 95% @ 40°C, Non-condensing                                                                                                                                                                                                                |

## Dimension

Unit: mm



## Ordering Information

| Part Number      | GV-MVMSI71T                       | GV-MVMSI71T-A                     | GV-MVMSI71T-B                     | GV-MVMSI71T-C                     |
|------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|
| CPU              | Intel® Processor Q670E            | 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      | 2 x DDR5 SO-DIMM, up to 96GB      |
| SECURITY         | –                                 | –                                 | TPM2.0 (Optional)                 | TPM2.0 (Optional)                 |
| GPU              | Intel® HD Graphics, shared memory | Intel® HD Graphics, shared memory | Intel® HD Graphics, shared memory | Intel® HD Graphics, shared memory |
| DP               | 2 x DP                            | 2 x DP                            | 2 x DP                            | 2 x DP                            |
| HDMI             | 2 x HDMI                          | 2 x HDMI                          | 2 x HDMI                          | 2 x HDMI                          |
| MULTIPLE DISPLAY | Support 4 Displays                | Support 4 Displays                | Support 4 Displays                | Support 4 Displays                |
| ETHERNET         | 2 x 2.5GbE                        | 2 x 2.5GbE                        | 2 x 2.5GbE                        | 2 x 2.5GbE                        |
| I/O              | 4 x USB 3.2 Gen 2                 | 4 x USB 3.2 Gen 2                 | 4 x USB 3.2 Gen 2                 | 4 x USB 3.2 Gen 2                 |
| I/O              | 2 x LAN                           | 2 x LAN                           | 2 x LAN                           | 2 x LAN                           |
| I/O              | 2 x HDMI                          | 2 x HDMI                          | 2 x HDMI                          | 2 x HDMI                          |
| I/O              | 2 x DP                            | 2 x DP                            | 2 x DP                            | 2 x DP                            |
| I/O              | 1 x Audio (Line-out, MIC Combo)   | 1 x Audio (Line-out, MIC Combo)   | 1 x Audio (Line-out, MIC Combo)   | 1 x Audio (Line-out, MIC Combo)   |
| I/O              | 2 x RS-232/422/485                | 2 x RS-232/422/485                | 2 x RS-232/422/485                | 2 x RS-232/422/485                |
| I/O              | 3 x RS-232                        | 3 x RS-232                        | 3 x RS-232                        | 3 x RS-232                        |
| I/O              | 1 x Power Button                  | 1 x Power Button                  | 1 x Power Button                  | 1 x Power Button                  |
| I/O              | 1x Reset                          | 1x Reset                          | 1x Reset                          | 1x Reset                          |
| I/O              | 1 x Power LED                     | 1 x Power LED                     | 1 x Power LED                     | 1 x Power LED                     |
| I/O              | 1 x HDD LED                       | 1 x HDD LED                       | 1 x HDD LED                       | 1 x HDD LED                       |
| I/O              | 4 x USB 2.0                       | 4 x USB 2.0                       | 4 x USB 2.0                       | 4 x USB 2.0                       |
| I/O              | 1 x FAN link con                  | 1 x FAN link con                  | 1 x FAN link con                  | 1 x FAN link con                  |
| SATA             | 1 x SATA3                         | 1 x SATA3                         | 1 x SATA3                         | 1 x SATA3                         |
| MINI PCI-E       | –                                 | WiFi card                         | –                                 | WiFi card                         |
| M.2              | 1 x M-Key 2242                    | 1 x M-Key 2242                    | 1 x M-Key 2242                    | 1 x M-Key 2242                    |
| M.2              | 1 x M-Key 2280                    | 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                    | 1 x E-Key 2230                    |
| M.2              | 1 x B-Key 3042/3052               | 1 x B-Key 3042/3052               | 1 x B-Key 3042/3052               | 1 x B-Key 3042/3052               |
| PCI-E            | 1 x PCIe x16                      | 1 x PCIe x16                      | 1 x PCIe x16                      | 1 x PCIe x16                      |