

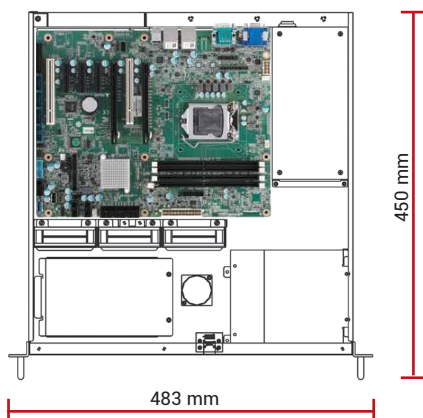
# PC Industriali

## Serie GO-210ATX - Chassis per Motherboard



GO-210R-7TH

PC Industriale 2U  
Configurato su richiesta  
Burn in climatico su ogni apparato  
Test Report di collaudo



### Chassis

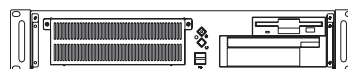
IP-202- Rev.23

|                |                                                                                                                                                                                                                                                                                                                                                |
|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Dimensioni     | Chassis 2U - 483 x 88 x 450 mm                                                                                                                                                                                                                                                                                                                 |
| Montaggio      | Rack 19"                                                                                                                                                                                                                                                                                                                                       |
| Materiale      | Acciaio pre-zincato                                                                                                                                                                                                                                                                                                                            |
| Architettura   | Motherboard ATX max 12" x 9.6"                                                                                                                                                                                                                                                                                                                 |
| Varianti       | <ul style="list-style-type: none"> <li>GO-210ATX: Chassis colore nero. Riser 3 slot PCI nel 6° slot. Alimentatore singolo. (riser incluso con lo chassis).</li> <li>GO-210R-7TH: Chassis colore nero. Riser nel 7° slot. Alimentatore ridondato.</li> <li>GO-210-7TH: Chassis colore nero. Riser nel 7° slot. Alimentatore singolo.</li> </ul> |
| Drives         | <ul style="list-style-type: none"> <li>1 x 5.25" slim + 1 x 3.5" + 3 x 3.5" interni</li> <li>1 x 5.25" + 1 x 3.5" + 2 x 3.5" interni</li> </ul>                                                                                                                                                                                                |
| Ventilazione   | 3 x ventole 80mm (= 42.5 CFM cad.) sul fronte                                                                                                                                                                                                                                                                                                  |
| Led sul fronte | LED per Power e funzionalità HDD                                                                                                                                                                                                                                                                                                               |
| Pulsanti       | Power On/Off e System Reset                                                                                                                                                                                                                                                                                                                    |
| Fronte         | Porta con viti imperdibili, 2 x USB                                                                                                                                                                                                                                                                                                            |
| Retro          | Alloggiamento per 3 bracket full size                                                                                                                                                                                                                                                                                                          |
| Colore         | Nero, beige o altri colori su richiesta                                                                                                                                                                                                                                                                                                        |
| Shock          | 15g durata 11ms - EN 60068-2-27                                                                                                                                                                                                                                                                                                                |
| Vibrazioni     | 10-150Hz: 1G - EN 60068-2-6                                                                                                                                                                                                                                                                                                                    |
| Umidità        | 10 - 95% non condensata                                                                                                                                                                                                                                                                                                                        |
| Temperatura    | Operativa 0°C... +50°C Storage -20°C... +70°C                                                                                                                                                                                                                                                                                                  |

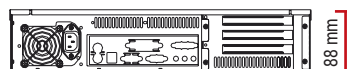
### Complementi

|                   |                                                                                                                                                                                                                                                                                                 |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Storage           | <ul style="list-style-type: none"> <li>Dischi interni HDD / SSD / M.2</li> <li>Cassetti estraibili singoli o multipli per HDD / SSD / U.2</li> <li>Soluzioni SATA / SAS / NVMe</li> </ul>                                                                                                       |
| Media             | <ul style="list-style-type: none"> <li>Masterizzatore DVD</li> <li>Lettore interno CFLASH, Memory Stick, SD Card, SDHC etc.</li> <li>Tastiera beige/nera italiana/inglese</li> <li>Mouse ottico</li> </ul>                                                                                      |
| Controller RAID   | SATA / SAS / NVMe                                                                                                                                                                                                                                                                               |
| Riser backplane   | 6 slot: GO-R0308: Riser 2U PCI - 3 slot PCI 32bit<br>7° slot: ARC2-733-2X16C5V3: Riser 2U PCIe x16- 2 x PCIe x16<br>7° slot: ARC2-733-X160X4C5V3: Riser 2U PCIe x16 - 1 x PCIe x16 + 1 x PCIe x4<br>PCIe-PEX8RISERF: Riser 1U PCIe x8 - 1 X PCIe x8<br>GHP-19X4: Riser 1U PCIe x4 - 1 x PCIe x4 |
| Schede I/O        | <ul style="list-style-type: none"> <li>Ethernet Server Adapter</li> <li>GPGPU / Schede Video</li> <li>Schede Multi-Head</li> <li>Schede I/O Analogiche e Digitali</li> <li>Schede FPGA</li> <li>Schede MULTISERIALI</li> <li>Frame Grabber</li> <li>MIL-1553 / ARINC 429 / ARINC 418</li> </ul> |
| Sistemi Operativi | <ul style="list-style-type: none"> <li>Windows® versioni Enterprise / Embedded</li> <li>Windows® versioni Server</li> <li>Linux</li> </ul>                                                                                                                                                      |

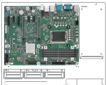
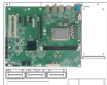
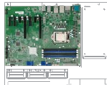
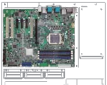
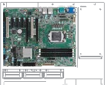
Fronte



Retro



## Motherboard

|                 |                                                                         |  |                                                                                                                                           |                          |                                                                                                         |                                                                                                                                                                    |       |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| CPU Preferred   | <ul style="list-style-type: none"> <li>i7-12700E: 12C, 1.60GHz, 65W</li> <li>i5-12500E: 6C, 2.90GHz, 65W</li> <li>i3-12100E: 4C, 3.20GHz, 60W</li> </ul> |                                                                                   | <ul style="list-style-type: none"> <li>i7-11700: 8C, 2.5GHz, 65W</li> <li>i5-11500: 6C, 2.7GHz, 65W</li> <li>i7-10700E: 8C, 2.9GHz, 65W</li> <li>i5-10500E: 6C, 3.1GHz, 65W</li> <li>i3-10100E: 4C, 3.2GHz, 65W</li> </ul> |                                                                                                           |                                                                                                                                                                                            | <ul style="list-style-type: none"> <li>i7-9700E: 8C, 2.6GHz, 65W</li> <li>i5-9500E: 6C, 3.0GHz, 65W</li> <li>i3-9100E: 4C, 3.1GHz, 65W</li> <li>i7-8700: 6C, 3.2GHz, 65W</li> <li>i5-8500: 6C, 3GHz, 65W</li> <li>i3-8100: 4C, 3.6GHz, 65W</li> </ul> |                                                                                          |
| Chipset         | Intel Q670                                                                                                                                               | Intel H610/H610E                                                                  | Intel Q470/Q470E                                                                                                                                                                                                           | Intel Q470E                                                                                               | Intel C246                                                                                                                                                                                 | Intel Q370                                                                                                                                                                                                                                            | Intel H310                                                                               |
| RAM             | DDR5-4400 MHz<br>4x DIMM max 128GB                                                                                                                       | DDR4-3200 MHz<br>2x DIMM max 64GB                                                 | DDR4-2933 MHz<br>4x DIMM max 128GB                                                                                                                                                                                         | DDR4-2933 MHz<br>4x DIMM max 128GB                                                                        | DDR4-2666 / 2400 MHz<br>4x DIMM max 128GB                                                                                                                                                  | DDR4-2666 / 2400 MHz<br>max 64GB                                                                                                                                                                                                                      | DDR4-2666 / 2400 MHz<br>2x DIMM max 64GB                                                 |
| Graphics        | VGA, DP, HDMI                                                                                                                                            | DP, HDMI, iDPM                                                                    | VGA, DP, HDMI, DP                                                                                                                                                                                                          | VGA, DP, HDMI<br>Internal Type-C DP                                                                       | VGA, DP, HDMI                                                                                                                                                                              | VGA, DP++, HDMI                                                                                                                                                                                                                                       | VGA, HDMI                                                                                |
| Ethernet        | 3x 2.5 x GbE                                                                                                                                             | 1x 2.5 x GbE; 1x GbE                                                              | 3x 2.5 x GbE                                                                                                                                                                                                               | 2x 2.5 x GbE                                                                                              | 2x GbE                                                                                                                                                                                     | 2x GbE                                                                                                                                                                                                                                                | 2x GbE                                                                                   |
| SATA ports      | 8x SATA3<br>(support RAID 0,1,5,10)                                                                                                                      | 4x SATA3<br>(support RAID 0,1,5,10)                                               | 5x SATA3<br>(support RAID 0,1,5,10)                                                                                                                                                                                        | 4x SATA3<br>(support RAID 0,1,5,10)                                                                       | 6 x SATA3<br>(support RAID 0,1,5,10)                                                                                                                                                       | 6 x SATA3<br>(support RAID 0,1,5,10)                                                                                                                                                                                                                  | 4 x SATA3                                                                                |
| M.2 slots       | 1x M.2 M-Key,<br>up to 25110, PCIe<br>1x M.2 E-Key, 2230, PCIe,<br>USB 2.0 and CNVi<br>1x M.2 B-Key, 3042/3052,<br>PCIe, USB3.2 Gen1, USB<br>2.0 and SIM | --                                                                                | 1x M.2 M-key 2242 / 2280,<br>PCIe, SATA                                                                                                                                                                                    | 1x M.2 A key 2230 PCI-E x1<br>/ USB 2.0<br>1x M.2 M key 2242 / 2280<br>PCI-E x4                           | --                                                                                                                                                                                         | 1x M.2 A key 2230 PCI-E x1<br>/ USB 2.0<br>1x M.2 M key 2280<br>PCI-E x2                                                                                                                                                                              | --                                                                                       |
| USB             | 5x USB 3.2 Gen2<br>1x USB 3.2 Gen2x2<br>(Type C)<br>2x USB 3.1 via header<br>2x USB 2.0 via header<br>2x vertical USB 2.0<br>connectors                  | 2x USB 3.2 Gen 1<br>2x USB 3.2 Gen 2<br>4x USB 2.0<br>2x USB 2.0 via header       | 2 x USB 3.2 Gen 2<br>2 x USB 3.2 Gen 1<br>2 x USB 3.2 Gen1 via header<br>2 x USB 2.0<br>6 x USB 2.0 via header                                                                                                             | 2x USB 3.2 Gen2<br>2x USB 3.2 Gen1<br>2 x USB 3.1 Gen 1 via header<br>2x USB 3.0<br>6x USB 2.0 via header | 4x USB 3.1 Gen2 connectors<br>(rear)<br>2x USB 3.1 Gen1 via header<br>1x USB 3.1 Gen1<br>(vertical type A connector)<br>6x USB 2.0 via header<br>1x USB 2.0<br>(vertical type A connector) | 2 x USB 3.1 Gen 2<br>2 x USB 3.1 Gen 1<br>2 x USB 2.0                                                                                                                                                                                                 | 4 x USB 3.0<br>2 x USB 2.0                                                               |
| COM             | 2x RS-232/422/485<br>4x RS-232                                                                                                                           | 2 x RS-232/422/485<br>4 x RS-232                                                  | 1 x RS-422/485<br>2 x RS-232                                                                                                                                                                                               | 1 x RS-232/422/485<br>2 x RS-232                                                                          | 2 x RS-232/422/485<br>4 x RS-232                                                                                                                                                           | 1 x RS-232<br>2 x RS-232/422/485<br>via header<br>and 3 x RS232                                                                                                                                                                                       | 2x RS-232/455/485<br>4x RS-232                                                           |
| Other           | Audio, LPT, PS2; 8x GPI,<br>8x GPO                                                                                                                       | Audio, Digital IO                                                                 | Audio, Digital IO                                                                                                                                                                                                          | Digital IO                                                                                                | Audio, PS2 combo, LPT,<br>DIO                                                                                                                                                              | Audio, PS2, DIO                                                                                                                                                                                                                                       | Audio, LPT, PS2 Combo,<br>DIO                                                            |
| TPM             | TPM 2.0                                                                                                                                                  | TPM 2.0                                                                           | TPM 2.0                                                                                                                                                                                                                    | TPM 2.0                                                                                                   | --                                                                                                                                                                                         | TPM 2.0 (via header)<br>optional TPM-IN02-R20                                                                                                                                                                                                         | --                                                                                       |
| Expansion slots | 1x PCI-E x16<br>1x PCI-E x8<br>2x PCI-E x4<br>3x PCI-E x1                                                                                                | 1* PCI-E x16<br>1* PCI-E x4<br>2* PCI-E x1<br>2* PCI                              | 2* PCI-E x16<br>3* PCI-E x4 open-end<br>2* PCI-E x1                                                                                                                                                                        | 1* PCI-E x16<br>3* PCI-E x4 open-end<br>3* PCI                                                            | 1* PCI-E x16<br>Or<br>2* PCI-E x8<br>+<br>3* PCI-E x4<br>2* PCI                                                                                                                            | 3*PCI-E x8<br>3*PCI-E x4<br>2*PCI                                                                                                                                                                                                                     | 1* PCI-E x16<br>1* PCI-E x4<br>5* PCI                                                    |
| I/O shield      | VGA, HDMI, DP<br>3x 2.5GbE<br>2x RS-232/422/485, Audio<br>5x USB 3.2, 1x USB 3.2                                                                         | HDMI, DP<br>1x GbE, 1x 2.5 GbE<br>2x RS-232/422/485<br>6x USB 3.2, 4x USB 2.0     | VGA, HDMI, DP<br>3x 2.5GbE<br>1x RS-232, Audio<br>4x USB 3.2, 2x USB 2.0                                                                                                                                                   | VGA, HDMI, DP<br>2x 2.5GbE<br>1x RS-232/422/485,<br>2x RS-232, Audio, PS2<br>4x USB 3.2, 2x USB 2.0       | VGA, HDMI, DP<br>2x GbE<br>2x RS-232/422/485, Audio<br>4x USB 3.1                                                                                                                          | VGA, HDMI, DP++<br>2x GbE<br>1x RS-232, Audio<br>6x USB, PS2                                                                                                                                                                                          | VGA, HDMI<br>2x GbE<br>2x RS-232/455/485<br>4x USB 3.0, 2x USB 2.0<br>Audio<br>PS2 Combo |

## Alimentatori (profondità max 220 mm)

**AC**



EN 62368

**Z-P2H-5400V**  
2U Single 400W

| Output |     |      |     |      |       |
|--------|-----|------|-----|------|-------|
| +3.3V  | +5V | +12V | -5V | -12V | +5VSB |
| 22A    | 22A | 32A  | -   | 0.8A | 3.5A  |

Input 90 ~ 264VAC Full Range  
MTBF 144.647 h  
Dimensioni 100x70x215 mm

**DC**



**Z-DR1S2-5380V4V**  
2U Redundant 380W

| Output |     |      |     |      |       |
|--------|-----|------|-----|------|-------|
| +3.3V  | +5V | +12V | -5V | -12V | +5VSB |
| 20A    | 20A | 30A  | -   | 0.5A | 2.5A  |

Input -36V ~ -72VDC  
MTBF 179.349 h  
Dimensioni 85x84x207 mm