

# Workstation Industriali

## Serie GO-380 - Chassis per Motherboard



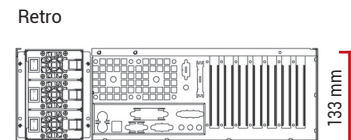
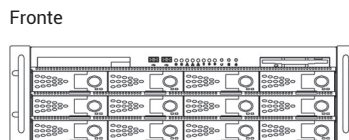
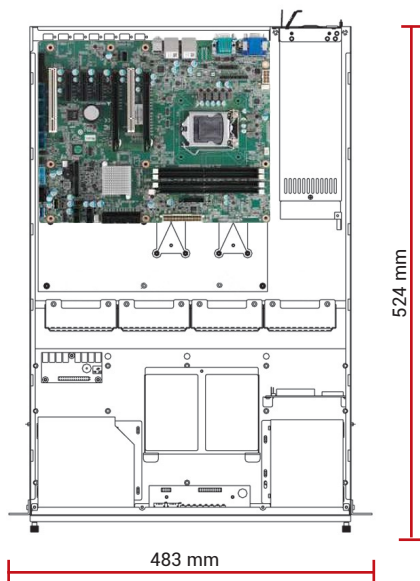
Workstation Industriale 3U

Versione SAS e SATA

Configurato su richiesta

Burn in climatico su ogni apparato

Test Report di collaudo



### Chassis

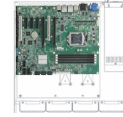
IP-312- Rev.16

|                |  |
|----------------|--|
| Dimensioni     | Chassis 3U - 483 x 133 x 650 mm  |
| Montaggio      | Rack 19"   |
| Materiale      | Acciaio pre-zincato  |
| Architettura   | Motherboard ATX max 12" x 10.5"  |
| Varianti       | <ul style="list-style-type: none"> <li>GO-380-SATA: Chassis versione per HDD / SSD SATA, colore nero</li> <li>GO-380-SAS: Chassis versione per HDD / SSD SAS, colore nero</li> </ul> |
| Drives         | 1 x Slim CD-ROM, 1 x Slim FDD e 2 x 2.5" HDD interni, 12 x cassetto Hot Swap 3.5". Gestione controller based   |
| Ventilazione   | 4 x ventole 92 mm (= 51 CFM cad.) e 2 x ventole 60mm (= 23.5 CFM cad.)   |
| Led sul fronte | LED per Power, funzionalità HDD, Ventole, Temperatura e LAN  |
| Pulsanti       | Power On/Off momentaneo, System Reset, Buzzer Reset  |
| Fronte         | 2 x USB  |
| Retro          | Allungamento per 7 bracket full size   |
| Colore         | Nero   |
| 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</li> </ul>  |
| Media             | <ul style="list-style-type: none"> <li>Masterizzatore DVD</li> <li>Tastiera beige/nera italiana/inglese</li> <li>Mouse ottico</li> </ul>  |
| Controller RAID   | SATA / SAS  |
| 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>  |

## Motherboard



|                        | MBD-X13SAE-F   | MBD-X12SCA-F   | MBD-X11SCA-F  | IMB-M45   | IMB-M43-C236  | IMBA-C2360-i2   |   |
|------------------------|--|--|---|---|---|---|---|
| <b>CPU Preferred</b>   | <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>• I9-10900E-2G8: 10C, 3.3GHz, 65W</li> <li>• I9-10900-2G8: 10C, 3.3GHz, 65W</li> <li>• I7-10700E-2G9: 8C, 2.9GHz, 65W</li> <li>• I5-10400-2G9: 8C, 2.9GHz, 65W</li> </ul> | <ul style="list-style-type: none"> <li>• E-2278GE: 8C, 3.3GHz, 80W</li> <li>• E-2226GE: 6C, 3.4GHz, 80W</li> <li>• I7-9700E: 8C, 2.6GHz, 65W</li> <li>• I5-9500E: 6C, 3.0GHz, 65W</li> <li>• I3-9100E: 4C, 3.1GHz, 65W</li> </ul> | <ul style="list-style-type: none"> <li>• E-2278GE: 8C, 3.3GHz, 80W</li> <li>• E-2226GE: 6C, 3.4GHz, 80W</li> <li>• I7-9700E: 8C, 2.6GHz, 65W</li> <li>• I5-9500E: 6C, 3.0GHz, 65W</li> <li>• I3-9100E: 4C, 3.1GHz, 65W</li> </ul> | <ul style="list-style-type: none"> <li>• E3-1275V5: 4C, 3.6GHz, 80W</li> <li>• E3-1225V5: 4C, 3.3GHz, 80W</li> <li>• E3-1275V6: 4C, 3.80GHz, 73W</li> <li>• E3-1225V6: 4C, 3.30GHz, 73W</li> <li>• I7-7700: 4C 3.6GHz, 65W</li> <li>• I5-7500: 4C 3.4GHz, 65W</li> <li>• I3-7101E: 2C 3.9GHz, 54W</li> <li>• I7-6700: 4C 3.4GHz, 65W</li> <li>• I5-6500: 4C 3.2GHz, 65W</li> <li>• I3-6100: 2C 3.7GHz, 51W</li> </ul> | <ul style="list-style-type: none"> <li>• E3-1275V5: 4C, 3.6GHz, 80W</li> <li>• E3-1225V5: 4C, 3.3GHz, 80W</li> <li>• E3-1275V6: 4C, 3.80GHz, 73W</li> <li>• E3-1225V6: 4C, 3.30GHz, 73W</li> <li>• I7-7700: 4C 3.6GHz, 65W</li> <li>• I5-7500: 4C 3.4GHz, 65W</li> <li>• I3-7101E: 2C 3.9GHz, 54W</li> <li>• I7-6700: 4C 3.4GHz, 65W</li> <li>• I5-6500: 4C 3.2GHz, 65W</li> <li>• I3-6100: 2C 3.7GHz, 51W</li> </ul> | <ul style="list-style-type: none"> <li>• E3-1275V5: 4C, 3.6GHz, 80W</li> <li>• E3-1225V5: 4C, 3.3GHz, 80W</li> <li>• E3-1275V6: 4C, 3.80GHz, 73W</li> <li>• E3-1225V6: 4C, 3.30GHz, 73W</li> <li>• I7-7700: 4C 3.6GHz, 65W</li> <li>• I5-7500: 4C 3.4GHz, 65W</li> <li>• I3-7101E: 2C 3.9GHz, 54W</li> <li>• I7-6700: 4C 3.4GHz, 65W</li> <li>• I5-6500: 4C 3.2GHz, 65W</li> <li>• I3-6100: 2C 3.7GHz, 51W</li> </ul> |
| <b>Chipset</b>         | Intel W680   | Intel W480   | Intel C246  | Intel C246  | Intel C236  | Intel C236  |   |
| <b>RAM</b>             | DDR5-4400MHz<br>4x DIMM max 128GB Unbuffered<br>ECC/non-ECC UDIMM  | DDR4-2933MHz<br>4x DIMM max 128GB Unbuffered<br>ECC/non-ECC UDIMM  | DDR4-2666MHz<br>4x DIMM max 128GB Unbuffered<br>ECC/non-ECC UDIMM   | DDR4-2666 / 2400MHz<br>4x DIMM max 128GB w/ECC and<br>non ECC Registered  | DDR4-2133 / 2400MHz<br>4x DIMM max 64GB w/ECC and<br>non ECC Registered   | DDR4 - 2133MHz<br>4x DIMM, max 64GB w/ECC and<br>non ECC Registered   |   |
| <b>Graphics</b>        | VGA, DVI-D, DP, HDMI   | VGA, HDMI, DVI-D, DP   | HDMI, DVI-D, DP   | VGA, HDMI 1.4, DP 1.2   | VGA, 2 DP   | VGA, DVI-D, HDMI, iDP   |   |
| <b>Ethernet</b>        | 2 GbE  | 2 GbE  | 2 GbE   | 2 GbE   | 2 GbE   | 2 GbE   |   |
| <b>SATA Ports</b>      | 8x SATA3 600,<br>(support RAID 0,1,5,10)   | 4x SATA3 600,<br>(support RAID 0,1,5,10)   | 8x SATA3 600,<br>(support RAID 0,1,5,10)  |   | 6x SATA3 600,<br>(support RAID 0,1,5,10)  |   |   |
| <b>M.2 Slots</b>       | 3x M.2 M-Key 2280,<br>PCI-E 4.0 x4   | 2x M.2 M-Key 2280/110,<br>PCI-E 3.0 x4   | 2x M.2 M-Key 2242/60/80/110,<br>PCI-E 3.0 x4  | --  | --  | --  |   |
| <b>NVME Ports</b>      | --   | --   | 1x U.2 PCIe 3.0 x4  | --  | --  | --  |   |
| <b>USB</b>             | 4x USB 2.0 (2 via header,<br>2 rear)<br>3x USB 3.2 Gen1<br>4x USB 3.2 Gen2<br>2x USB 3.2 Gen2x2  | 2x USB 2.0<br>3x USB 3.2 Gen1<br>5x USB 3.2 Gen2   | 2x USB 2.0<br>4x USB 3.1 Gen1<br>4x USB 3.1 Gen2  | 6x USB 3.1 Gen2<br>6x USB 2.0   | 6x USB 2.0<br>8x USB 3.0  | 6x USB 2.0<br>5x USB 3.0  |   |
| <b>COM</b>             | 1x COM Header  | 1x COM Header  | 1x COM Header   | 2x RS-232/422/485<br>4x RS-232  | 4x RS-232<br>2x RS-232/422/485  | 4x RS-232<br>2x RS-232/485  |   |
| <b>Other</b>           | ALC 888S HD Audio  | ALC 888S HD Audio  | ALC 888S HD Audio   | Audio, PS2 combo, LPT, DIO  | Audio, PS2, LPT, DIO  | Audio,<br>iRIS Remote Management<br>Module  |   |
| <b>Expansion slots</b> | <ul style="list-style-type: none"> <li>• 2x PCI-E 5.0 x16 slots</li> <li>• 2x PCI-E 3.0 x4</li> <li>• 1x 5V PCI 32bit</li> </ul>                               | <ul style="list-style-type: none"> <li>• 1x PCI-E 3.0 x4,</li> <li>• 2x PCI-E 3.0 x16 slots<br/>(16/NA or 8/8)</li> <li>• 1x PCI 32bit</li> </ul>  | <ul style="list-style-type: none"> <li>• 2x PCI-E 3.0 x16 slots<br/>(PCI-E Links is NA/16 or 8/8)</li> <li>• 1x PCI-E 3.0 x4 slot<br/>(shared w/M.2-M1)</li> <li>• 1x PCI-E 3.0 x1 slot</li> <li>• 1x PCI 32bit</li> </ul>        | <ul style="list-style-type: none"> <li>• 2x PCI-E x8 Gen.3<br/>Or</li> <li>• 1x PCI-E x16 Gen.3<br/>+</li> <li>• 3x PCI-E x4 Gen.3<br/>+ 2x PCI Gen.2.2</li> </ul>  | <ul style="list-style-type: none"> <li>• PEG: PCI-E x16 slot,</li> <li>• PCI: PCI slot,</li> <li>• PEG2: PCI-E x16 slot,</li> <li>• PEG3: PCI-E x4 slot,</li> <li>• PCI-E1: PCI-E x4 slot, PCI-E2:<br/>• PCI-E x4 slot, PCI2: PCI slot</li> </ul>   | <ul style="list-style-type: none"> <li>• 2x PCI-E x8 (Gen3),<br/>• 2 x PCI</li> <li>• 3x PCI-E x4 (Gen3)</li> </ul>   |   |
| <b>I/O shield</b>      | 1x DP, 1x HDMI, 1x VGA,<br>1x DVI-D, iPMI LAN,<br>2x USB 2.0,<br>4x USB 3.2, 2x GbE, Audio   | 1x DP, 1x HDMI, 1x VGA,<br>1x DVI-D, iPMI LAN,<br>6x USB 3.2,<br>2x GbE, 6x USB 3, Audio   | 1x DP, 1x HDMI, 1x VGA (iPMI),<br>1x DVI-D,<br>2x USB 3.1 Gen1 Type A<br>1x USB 3.1 Gen2 Type A<br>1x USB 3.1 Gen2 Type C<br>2x GbE, Audio  | 1x DP 1.2, 1x HDMI 1.4,<br>1x VGA,<br>4x USB 3.1 Gen2<br>2x RS-232/422/485<br>2x GbE , Audio  | 2x DP, 1x VGA, PS2,<br>6x USB,<br>2x LAN, 2x COM,<br>Audio  | 1x HDMI, 1x VGA,<br>1x DVI-D,<br>PS2, 6x USB,<br>2x LAN, Audio  |   |

## Alimentatori (profondità max 300 mm)



EN 62368

Z-P2M-5800V: 2U Single 800W

| Output                        |     |      |     |      |       |
|-------------------------------|-----|------|-----|------|-------|
| +3.3V                         | +5V | +12V | -5V | -12V | +5VSB |
| 25A                           | 25A | 62A  | -   | 0.8A | 3.0A  |
| Input 100 ~ 240VAC Full Range |     |      |     |      |       |
| MTBF 93.283 h                 |     |      |     |      |       |
| Dimensioni 100x70x280 mm      |     |      |     |      |       |



EN 62368

Z-G1W2-5760V2V-PM12: 2U Red 760W

| Output                     |     |      |     |      |       |
|----------------------------|-----|------|-----|------|-------|
| +3.3V                      | +5V | +12V | -5V | -12V | +5VSB |
| 32A                        | 32A | 62A  | -   | 0.8A | 3.5A  |
| Input 90 ~ 264VAC          |     |      |     |      |       |
| MTBF >122.147 h            |     |      |     |      |       |
| Dimensioni 101.2x84x300 mm |     |      |     |      |       |



EN 62368

Z-FSP800-50FS: 2U Redundant 800W

| Output                    |     |      |     |      |        |
|---------------------------|-----|------|-----|------|--------|
| +3.3V                     | +5V | +12V | -5V | -12V | +12VSB |
| 25A                       | 25A | 65A  | -   | 0.3A | 4.5A   |
| Input 90 ~ 264VAC         |     |      |     |      |        |
| MTBF 500.000 h            |     |      |     |      |        |
| Dimensioni 76x83.8x250 mm |     |      |     |      |        |



GO-380  
Vista posteriore



GO-380  
Vista dall'alto senza copertura superiore