

# Workstation Industriali

## Serie GO-A32 - Chassis per Motherboard

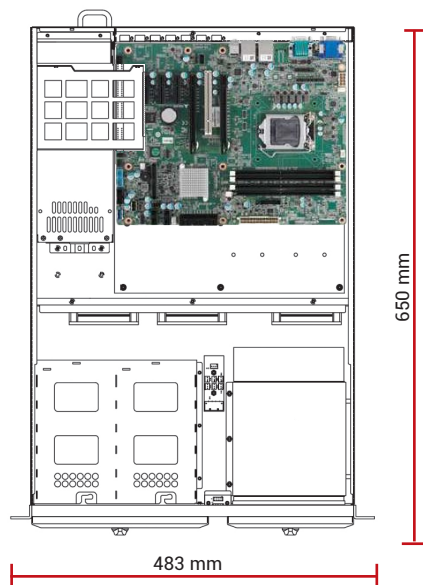


### Workstation Industriale 3U

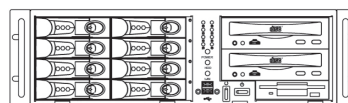
Configurato su richiesta

Burn in climatico su ogni apparato

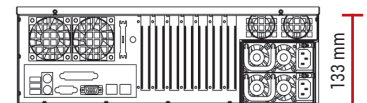
Test Report di collaudo



Fronte



Retro



### Chassis

IP-245- 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"
Variante	<ul style="list-style-type: none"> <li>GO-A32-SAS-PF: Chassis con ventole PWM, colore nero. Versione SATA / SAS 12Gbs. Alimentatore singolo</li> <li>GO-A32R-SAS-PF: Chassis con ventole PWM, colore nero. Versione SATA / SAS 12Gbs. Alimentatore ridondato</li> </ul>
Drives	2 x 5.25" + 1 x 3.5" FDD; 8 x 3.5" Swappable Trays
Ventilazione	3 x ventole 92mm (= 51 CFM cad.), 2 x ventole (60mm = 23.5 CFM cad.) + opzione 2 x ventole 40mm
Led sul fronte	LED per Power, funzionalità HDD e LAN
Pulsanti	Power On/Off Momentary (Pushbutton) e System Reset
Fronte	2 Porte drives con serratura, 2 x USB
Retro	Alloggiamento per 7 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</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
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 4x DIMM max 128GB Unbuffered ECC/non-ECC UDIMM	DDR4-2933MHz 4x DIMM max 128GB Unbuffered ECC/non-ECC UDIMM	DDR4-2666MHz 4x DIMM max 128GB Unbuffered ECC/non-ECC UDIMM	DDR4-2666 / 2400MHz 4x DIMM max 128GB w/ECC and non ECC Registered	DDR4-2133 / 2400MHz 4x DIMM max 64GB w/ECC and non ECC Registered	DDR4 - 2133MHz 4x DIMM, max 64GB w/ECC and 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, (support RAID 0,1,5,10)	4x SATA3 600, (support RAID 0,1,5,10)	8x SATA3 600, (support RAID 0,1,5,10)		6x SATA3 600, (support RAID 0,1,5,10)		
<b>M.2 Slots</b>	3x M.2 M-Key 2280, PCI-E 4.0 x4	2x M.2 M-Key 2280/110, PCI-E 3.0 x4	2x M.2 M-Key 2242/60/80/110, 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, 2 rear) 3x USB 3.2 Gen1 4x USB 3.2 Gen2 2x USB 3.2 Gen2x2	2x USB 2.0 3x USB 3.2 Gen1 5x USB 3.2 Gen2	2x USB 2.0 4x USB 3.1 Gen1 4x USB 3.1 Gen2	6x USB 3.1 Gen2 6x USB 2.0	6x USB 2.0 8x USB 3.0	6x USB 2.0 5x USB 3.0	
<b>COM</b>	1x COM Header	1x COM Header	1x COM Header	2x RS-232/422/485 4x RS-232	4x RS-232 2x RS-232/422/485	4x RS-232 2x RS-422/485	
<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, iRIS Remote Management 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 (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 (PCI-E Links is NA/16 or 8/8)</li> <li>• 1x PCI-E 3.0 x4 slot (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 Or</li> <li>• 1x PCI-E x16 Gen.3 +</li> <li>• 3x PCI-E x4 Gen.3</li> <li>• 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: PCI-E x4 slot, PCI2: PCI slot</li> </ul>	<ul style="list-style-type: none"> <li>• 2x PCI-E x8 (Gen3),</li> <li>• 2 x PCI</li> <li>• 3x PCI-E x4 (Gen3)</li> </ul>	
<b>I/O shield</b>	1x DP, 1x HDMI, 1x VGA, 1x DVI-D, IPMI LAN, 2x USB 2.0, 4x USB 3.2, 2x GbE, Audio	1x DP, 1x HDMI, 1x VGA, 1x DVI-D, IPMI LAN, 6x USB 3.2, 2x GbE, 6x USB 3, Audio	1x DP, 1x HDMI, 1x VGA (IPMI), 1x DVI-D, 2x USB 3.1 Gen1 Type A 1x USB 3.1 Gen2 Type A 1x USB 3.1 Gen2 Type C 2x GbE, Audio	1x DP 1.2, 1x HDMI 1.4, 1x VGA, 4x USB 3.1 Gen2 2x RS-232/422/485 2x GbE , Audio	2x DP, 1x VGA, PS2, 6x USB, 2x LAN, 2x COM, Audio	1x HDMI, 1x VGA, 1x DVI-D, PS2, 6x USB, 2x LAN, Audio	

## Alimentatori (profondità max 300 mm)

**AC**

**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					

**AC**

**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					

**AC**

**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-A32  
Vista posteriore



GO-A32  
Vista dall'alto senza copertura superiore