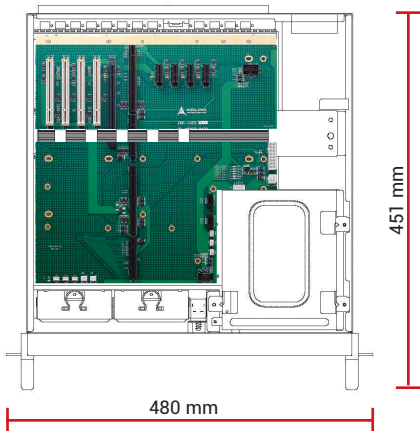


PC Industriali

Serie GO-402SR - Chassis per SBC 1.3



PC Industriale 4U
Configurato su richiesta
Burn in climatico su ogni apparato
Test Report di collaudo



Chassis

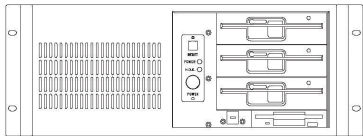
IP-259- Rev.22

Dimensioni	Chassis 4U - 480 x 177 x 451 mm
Montaggio	Rack 19"
Materiale	Acciaio pre-zincato
Architettura	Backplane passivo PICMG 1.3
Varianti	- GO-402SR: Chassis colore nero - GO-402SR-W: Chassis colore beige - GO-402SR-9007: Chassis colore silver (RAL9007)
Drives	3 x 5.25" + 1 x 3.5"
Ventilazione	2 x ventole 92 mm (= 56.8 CFM cad.)
Filtri	1 filtro per l'aria rimovibile dal fronte lavabile
Led sul fronte	LED per Power e funzionalità HDD
Pulsanti	Power On/Off e System Reset
Fronte	Porta drives con serratura, connettore tastiera 2 x USB
Retro	Alloggiamento per 14 bracket full size, 2 x COM e 1 x PS
Altro	Struttura per drives ammortizzata Barra di ritenzione schede ad altezza regolabile
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

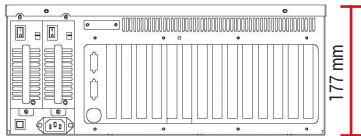
Complementi

Storage	- Dischi interni HDD / SSD / M.2 - Cassetti estraibili singoli o multipli per HDD / SSD / U.2 - Soluzioni SATA / SAS / NVMe
Media	- Masterizzatore DVD - Lettore interno CFLASH, Memory Stick, SD Card, SDHC etc. - Tastiera beige/nera italiana/inglese - Mouse ottico
Controller RAID	SATA / SAS / NVMe
Schede I/O	- Ethernet Server Adapter - GPGPU / Schede Video - Schede Multi-Head - Schede I/O Analogiche e Digitali - Schede FPGA - Schede MULTISERIALI - Frame Grabber - MIL-1553 / ARINC 429 / ARINC 418
Guide	Guide telescopiche per montaggio a rack
Sistemi Operativi	- Windows® versioni Enterprise / Embedded - Windows® versioni Server - Linux

Fronte



Retro



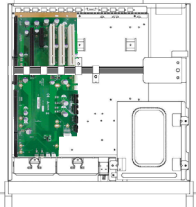
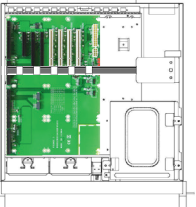
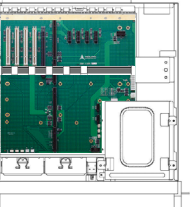
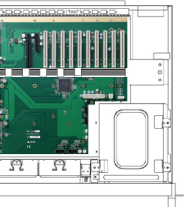
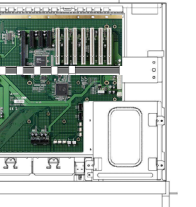
Single Board

	NUPRO-E47	PCIE-Q470	PCIE-Q370	NUPRO-E43
CPU Preferred	- i9-14900: 24C, 2.00GHz, 65-219W - i7-14700: 20C, 2.10GHz, 65-219W - i5-14500: 14C, 2.60GHz, 65-154W - i3-14100: 4C, 3.50GHz, 60-110W - i7-13700E: 16C, 1.90GHz, 65W - i5-13500E: 14C, 4.40GHz, 65W - i3-13100E: 4C, 3.30GHz, 60W - i7-12700E: 12C, 1.60GHz, 65W - i5-12500E: 6C, 2.90GHz, 65W - i3-12100E: 4C, 3.20GHz, 60W	- i7-10700E: 8C, 2.9GHz, 65W - i5-10500E: 6C, 3.1GHz, 65W - i3-10100E: 4C, 3.6GHz, 65W	- i7-8700: 6C 3.20 GHz, 65W - i5-8500: 6C 3.00 GHz, 65W - i3-8100: 4C 3.60 GHz, 65W	- i7-7700: 4C 3.6GHz, 65W - i5-7500: 4C 3.4GHz, 65W - i3-7101E: 2C 3.9GHz, 54W - i7-6700: 4C 3.4GHz, 65W - i5-6500: 4C 3.2GHz, 65W
Chipset	Intel Q670E	Intel Q470	Intel Q370	Intel Q170
RAM	DDR5 – 4800 2x DIMM, max. 64GB	DDR4 – 2933 4 x DIMM, max. 128GB	DDR4 – 2666, 4 x DIMM, max. 64GB	DDR4 - 2133, 2 x DIMM, max.32GB
Graphics	VGA (up to 1920 x 1200@60Hz) HDMI (up to 4096 x 2160@30Hz) DVI-D (up to 1920 x 1200@60Hz)	HDMI (up to 4096 x 2160@30Hz)	VGA (1920 x 1080) DP (up to 4096 x 2304)	VGA (1920 x 1200) DVI-D (1920 x 1200)
Ethernet	2 GbE	2.5 GbE	2 GbE	2 GbE
SATA ports	6x SATA3 (support RAID 0,1,5,10)	4x SATA3 (support RAID 0,1,5,10)	6x SATA3 (support RAID 0,1,5,10)	4x SATA3 (support RAID)
M.2 slots	1x M.2 M Key 2280 with PCI-E Gen4 x4	1x M.2 A Key 2230 w/PCI-E x2/USB 2.0, 1x M.2 B Key 3042/3052/2242/2280 w/SIM holder w/PCI-E Gen3 x2 1x M.2 M Key 2280/2242 w/ PCI-E x4	1x M.2 M key 2280, Gen3 PCI-E x4	--
USB	3x USB 3.2 Gen 2x1 (10Gbps) on rear I/O 6x USB 3.2 Gen 1x1 via headers 1x USB 3.2 Gen 1x1 vertical type A 4x USB 2.0 to backplane	6x USB 2.0 6 x USB 3.2	7x USB 2.0 4x USB 3.2	4x USB 2.0 8x USB 3.0
COM	2x RS-232 2x RS-232/422/485	2x RS-232 2x RS-422 / 485	3x RS-232 1x RS-422 / 485	2x RS232 2x RS232/422/485
KB/MS	NO	NO	1 x 16 pin	1 pin header for PS/2
Other	91-49030-0010: Audio (opt.)	Audio	Audio	Audio, LPT
I/O Bracket	1x HDMI, 2x LAN, 3x USB 3.2	1x HDMI, 2x LAN, 2x USB 3.2, 1x USB 3.2 Type C	1x VGA, 2x LAN, 2x USB 3.2	1x VGA, 2x LAN, 2x USB



GO-402SR-W
Vista posteriore

Backplane

				
EBP-6E2 1 x PICMG CPU, 1 x PCI-E x16, 1 x PCI-E x4, 3 x PCI	PBPE-08P41 Non usare con Nupro-E47 1 x PICMG CPU, 2 x PCI-E x16 (x8 signal), 1 x PCI-E x8 (x4 signal), 4 x PCI	EBP-10E5 1 x PICMG CPU, 1 x PCI-E x16, 4 x PCI-E x1, 4 x PCI	EBP-13E2 1 x PICMG CPU, 1 x PCI-E x16, 1 x PCI-E x4, 10 x PCI	EBP-13E4 1 x PICMG CPU, 1 x PCI-E x16, 3 x PCI-E x4, 7 x PCI

Alimentatori

AC  EN 62368 FSP600-80PSA PS2 Single 600W <table> <tr> <th colspan="6">Output</th> </tr> <tr> <td>+3.3V</td><td>+5V</td><td>+12V</td><td>-5V</td><td>-12V</td><td>+5VSB</td> </tr> <tr> <td>25A</td><td>25A</td><td>16A</td><td>0.1A</td><td>0.5A</td><td>4A</td> </tr> <tr> <td colspan="6">Input 90~264VAC Full Range</td> </tr> <tr> <td colspan="6">MTBF 100.000 h</td> </tr> <tr> <td colspan="6">Dimensioni 150x86x140 mm</td> </tr> </table>	Output						+3.3V	+5V	+12V	-5V	-12V	+5VSB	25A	25A	16A	0.1A	0.5A	4A	Input 90~264VAC Full Range						MTBF 100.000 h						Dimensioni 150x86x140 mm						AC  EN 62368 Z-MRPS2-500-2AC PS2 Redundant 500W <table> <tr> <th colspan="6">Output</th> </tr> <tr> <td>+3.3V</td><td>+5V</td><td>+12V</td><td>-5V</td><td>-12V</td><td>+5VSB</td> </tr> <tr> <td>20A</td><td>20A</td><td>40A</td><td>0.3A</td><td>0.5A</td><td>3A</td> </tr> <tr> <td colspan="6">Input 90V~264VAC</td> </tr> <tr> <td colspan="6">MTBF >100.000 h</td> </tr> <tr> <td colspan="6">Dimensioni 150x84x190 mm</td> </tr> </table>	Output						+3.3V	+5V	+12V	-5V	-12V	+5VSB	20A	20A	40A	0.3A	0.5A	3A	Input 90V~264VAC						MTBF >100.000 h						Dimensioni 150x84x190 mm						DC  EN 62368 BES-540C PS2 Single 400W 24VDC <table> <tr> <th colspan="6">Output</th> </tr> <tr> <td>+3.3V</td><td>+5V</td><td>+12V</td><td>-5V</td><td>-12V</td><td>+5VSB</td> </tr> <tr> <td>25A</td><td>25A</td><td>30A</td><td>-</td><td>0.8A</td><td>3.5A</td> </tr> <tr> <td colspan="6">Input 20VDC...36VDC</td> </tr> <tr> <td colspan="6">MTBF 121.000 h</td> </tr> <tr> <td colspan="6">Dimensioni 150x86x140 mm</td> </tr> </table>	Output						+3.3V	+5V	+12V	-5V	-12V	+5VSB	25A	25A	30A	-	0.8A	3.5A	Input 20VDC...36VDC						MTBF 121.000 h						Dimensioni 150x86x140 mm						DC  Z-BMRW-5360V4V PS2 Redundant 360W 24VDC <table> <tr> <th colspan="6">Output</th> </tr> <tr> <td>+3.3V</td><td>+5V</td><td>+12V</td><td>-5V</td><td>-12V</td><td>+5VSB</td> </tr> <tr> <td>25A</td><td>25A</td><td>28A</td><td>-</td><td>0.8A</td><td>3.5A</td> </tr> <tr> <td colspan="6">Input 18VDC...36VDC</td> </tr> <tr> <td colspan="6">MTBF 125.331 h</td> </tr> <tr> <td colspan="6">Dimensioni 150x86x185 mm</td> </tr> </table>	Output						+3.3V	+5V	+12V	-5V	-12V	+5VSB	25A	25A	28A	-	0.8A	3.5A	Input 18VDC...36VDC						MTBF 125.331 h						Dimensioni 150x86x185 mm						DC  BES-540T PS2 Single 400W -48VDC <table> <tr> <th colspan="6">Output</th> </tr> <tr> <td>+3.3V</td><td>+5V</td><td>+12V</td><td>-5V</td><td>-12V</td><td>+5VSB</td> </tr> <tr> <td>25A</td><td>25A</td><td>32A</td><td>-</td><td>0.8A</td><td>3.5A</td> </tr> <tr> <td colspan="6">Input -36VDC...-72VDC</td> </tr> <tr> <td colspan="6">MTBF 143.878 h</td> </tr> <tr> <td colspan="6">Dimensioni 150x86x140 mm</td> </tr> </table>	Output						+3.3V	+5V	+12V	-5V	-12V	+5VSB	25A	25A	32A	-	0.8A	3.5A	Input -36VDC...-72VDC						MTBF 143.878 h						Dimensioni 150x86x140 mm						DC  Z-DMRW-5500V4V PS2 Redundant 500W -48VDC <table> <tr> <th colspan="6">Output</th> </tr> <tr> <td>+3.3V</td><td>+5V</td><td>+12V</td><td>-5V</td><td>-12V</td><td>+5VSB</td> </tr> <tr> <td>25A</td><td>25A</td><td>41A</td><td>-</td><td>0.8A</td><td>3.5A</td> </tr> <tr> <td colspan="6">Input -36VDC...-72VDC</td> </tr> <tr> <td colspan="6">MTBF 125.083 h</td> </tr> <tr> <td colspan="6">Dimensioni 150x86x185 mm</td> </tr> </table>	Output						+3.3V	+5V	+12V	-5V	-12V	+5VSB	25A	25A	41A	-	0.8A	3.5A	Input -36VDC...-72VDC						MTBF 125.083 h						Dimensioni 150x86x185 mm					
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