

PC Industriali

Serie GO-082-8 - Tower / Box per SBC 1.3



PC Node

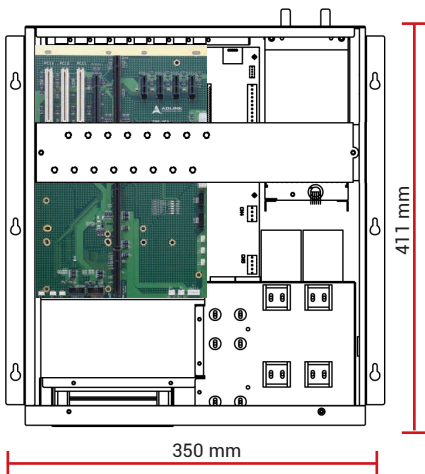
Utilizzabile anche in modalità tower

Certificato RFI IS 402 per uso ferroviario

Configurato su richiesta

Burn in climatico su ogni apparato

Test Report di collaudo



Chassis

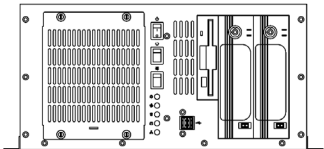
IP-280 - Rev.3

Dimensioni	350 x 177 x 411 mm
Montaggio	Fisso o uso tower
Materiale	Acciaio pre-zincato
Architettura	Backplane passivo PICMG 1.3
Varianti	- GO-082-8: PC Node colore nero - GO-082-8-W: PC Node colore beige.
Drives	2 x 5.25" + 1 x 3.5" interna e 1 x 3.5" esterna
Ventilazione	1 x ventola 120 mm (= 90 CFM)
Filtri	1 filtro per l'aria rimovibile dal fronte lavabile
Led sul fronte	LED per Power, funzionalità HDD, LAN LED segnalazione guasto ventole e temperatura
Pulsanti	Power On/Off, System Reset e Buzzer Reset
Fronte	2 x USB
Retro	Alloggiamento per 8 bracket full size, LPT e PS
Altro	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

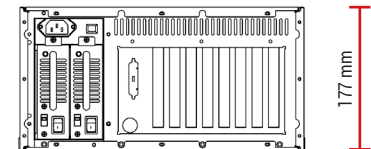
Complementi

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
Sistemi Operativi	- Windows® versioni Enterprise / Embedded - Windows® versioni Server - Linux

Fronte



Retro



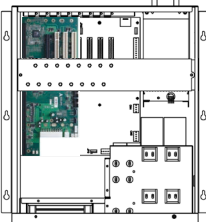
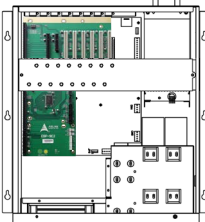
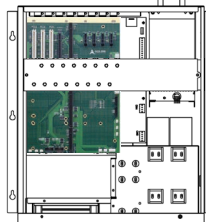
Single Board

	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-082-8-W
Vista posteriore

Backplane

		
EBP-5E1 1 x PICMG CPU, 1 x PCI-E x16, 1 x PCI-X, 2 x PCI	EBP-9E2 1 x PICMG CPU 1 x PCI-E x16, 1 x PCI-E x4, 6 x PCI	EBP-9E5 1 x PICMG CPU 1 x PCI-E x16 4 x PCI-E x1, 3 x PCI

Alimentatori

AC



EN 62368

FSP600-80PSA

PS2 Single 600W

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

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

Output					
+3.3V	+5V	+12V	-5V	-12V	+5VSB
25A	25A	30A	-	0.8A	3.5A

Input

20VDC...36VDC

MTBF

121.000 h

Dimensions

150x86x140 mm

DC

Z-BMRW-5360V4V

PS2 Redundant 360W 24VDC

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

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

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		