

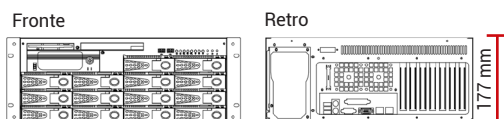
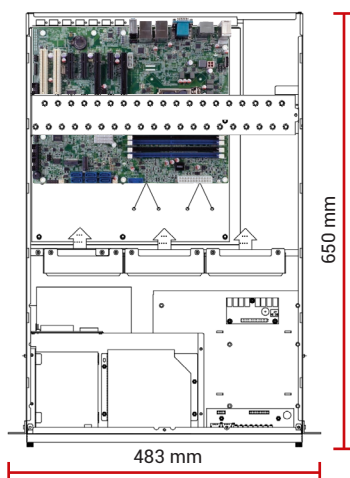
PC Industriali

SERIE GO-481-SAS - CHASSIS PER MOTHERBOARD



Caratteristiche

- PC Rackmount per motherboard ATX max 12" x 13"
- Profondità 650 mm
- Fino a 14 dischi SAS rimovibili
- Burn in climatico e Test Report di collaudo
- Garanzia 2 anni



Informazioni Tecniche

IP-347- Rev.10

Dimensioni	483 x 177 x 650 mm
Alloggiamento	GO-481-SAS: Chassis 4U per montaggio a rack 19" per Motherboard ATX max 12" x 13", colore nero
Drives Frontali	<ul style="list-style-type: none"> • 3x backplane x 4 dischi SAS, 1 connettore SFF-8643 • 12x Swappable Tray SAS 12 Gbps • 2x Swappable Tray SAS 6 Gbps
Ventilazione	3 x (120 mm = 90.0CFM cad.) & opzionale 2 x (60 mm = 23.5CFM cad.) ventole Ball Bearing
Led sul fronte	LED per Power, funzionalità HDD, ventole, temperatura e LAN
Pulsanti	Power ON/OFF, System Reset, Buzzer reset
Fronte	Porta drive rimovibile con viti imperdibili, 2x USB
Retro	Alloggiamento per 7 bracket full size
Colore	Nero o altri colori su richiesta
Shock	15G durata 11ms - EN 60068-2-27
Vibrazioni	10-150Hz: 1G - EN 60068-2-6
Umidità	5 - 95% non condensata
Temperatura Operativa	0°C ... +50°C
Temperatura Storage	-20°C ... +70°C

Complementi

Storage	<ul style="list-style-type: none"> • Dischi interni HDD / SSD / M.2 • Cassetti estraibili singoli o multipli per HDD / SSD / U.2 • Soluzioni SATA / SAS / NVMe
Media	<ul style="list-style-type: none"> • Masterizzatore DVD • Lettore interno CFLASH, Memory Stick, SD Card, SDHC etc. • Tastiera beige/nera PS2/USB italiana/inglese • Mouse ottico PS2/USB
Controller RAID	SATA / SAS / NVMe; connettore SFF-8643
Schede aggiuntive	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • Windows® XP Pro 32/64bit • Windows® 7 Pro 32/64bit • Windows® 7 Ultimate 64 bit • Windows® 8.1 • Windows® 10 IoT Enterprise 2016 • Windows® 11 IoT Enterprise • Windows® Server 2008 R2 • Windows® Server 2012 R2 • Windows® Server 2016 • Windows® Server 2019 • Windows® Server 2022 • Linux

Motherboard

	IMBA-Q470	IMB-M45	IMBA-Q370	IMB-M45H	IMB-M43H	IMB-M43	IMBA-Q170-i2	RUBY-D718V2G2AR	IMBA-Q870-i2
CPU Preferred	<ul style="list-style-type: none"> •i9-11900: 8C, 2.6GHz, 65W •i7-11700: 8C, 2.6GHz, 65W •i5-11500: 6C, 2.7GHz, 65W •i9-10900E: 10C, 2.8GHz, 65W •i7-10700E: 8C, 2.9GHz, 65W •i5-10500E: 6C, 3.1GHz, 65W •i3-10100E: 4C, 3.2GHz, 65W 	<ul style="list-style-type: none"> •E-2278GE: 8C, 3.3GHz, 80W •E-2226GE: 6C, 3.4GHz, 80W •i7-9700E: 8C, 2.6GHz, 65W •i5-9500E: 6C, 3.0GHz, 65W •i3-9100E: 4C, 3.1GHz, 65W •i7-8700E: 6C, 3.2GHz, 65W •i5-8500E: 6C, 3GHz, 65W •i3-8100E: 4C, 3.6GHz, 65W 	<ul style="list-style-type: none"> •i7-9700E: 8C, 2.6GHz, 65W •i5-9500E: 6C, 3.0GHz, 65W •i3-9100E: 4C, 3.1GHz, 65W •i7-8700E: 6C, 3.2GHz, 65W •i5-8500E: 6C, 3GHz, 65W •i3-8100E: 4C, 3.6GHz, 65W 	<ul style="list-style-type: none"> •i7-9700E: 8C, 2.6GHz, 65W •i5-9500E: 6C, 3.0GHz, 65W •i3-9100E: 4C, 3.1GHz, 65W •i7-8700E: 6C, 3.2GHz, 65W •i5-8500E: 6C, 3GHz, 65W •i3-8100E: 4C, 3.6GHz, 65W 	<ul style="list-style-type: none"> •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 •i3-6100: 2C 3.7GHz, 51W 	<ul style="list-style-type: none"> •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 •i3-6100: 2C 3.7GHz, 51W 	<ul style="list-style-type: none"> •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 •i3-6100: 2C 3.7GHz, 51W 	<ul style="list-style-type: none"> •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 •i3-6100: 2C 3.7GHz, 51W 	<ul style="list-style-type: none"> •i7-4770S: 4C, 3.1GHz, 65W •i5-4570S: 4C, 2.9GHz, 65W
Chipset	Intel Q470E	Intel C246	Intel Q370	Intel H310	Intel H110 Express	Intel Q170 Express	Intel Q170 Express	Intel Q170 Express	Intel Q87
RAM	DDR4-2933 MHz 4x DIMM max 128GB	DDR4-2666 / 2400 MHz 4x DIMM max 128GB	DDR4-2666 / 2400 MHz max 64GB	DDR4-2666 / 2400 MHz 2x DIMM max 64GB	DDR4 - 2133/2400, max 32GB	DDR4 - 2133/2400, max 64GB	DDR4 - 2133/2400, max 64GB	DDR4 - 2133/2400, max 64GB	DDR3 - 1600/1333, 4 x DIMM max 32GB
Graphics	VGA, DP, HDMI Internal Type-C DP	VGA, HDMI 1.4, DP 1.2	VGA, DP++, HDMI	VGA, HDMI 1.4	VGA, HDMI	VGA, 2 x DP	VGA, DVI-D, HDMI 2.0, iDP	VGA, DVI-D, HDMI	VGA, DVI-D, HDMI, iDP
Ethernet	2x 2.5 x GbE	2x GbE	2x GbE	2x GbE	2x GbE	2x GbE	2x GbE	2x GbE	2x GbE
SATA ports	4 x SATA3 600, (support RAID 0,1,5,10)	6 x SATA3 600, (support RAID 0,1,5,10)	6 x SATA 600 (support RAID 0,1,5,10)	4 x SATA 6.0 Gb/s	4 x SATA 600	6 x SATA 600 (support RAID 0,1,5,10)	6 x SATA 600 (support RAID 0,1,5,10)	6 x SATA 600 (support RAID 0,1,5,10)	6 x SATA 600 (support RAID 0,1,5,10)
M.2 slots	1* M.2 A key 1* M.2 M key	--	1* M.2 A key 1* M.2 M key	--	--	--	--	--	--
USB	2x USB 3.0 2x USB 3.2 Gen1 2x USB 3.2 Gen2 2x USB 3.1 Gen1 pin header 6x USB 2.0 pin header	4x USB 3.1 Gen2 2x USB 3.1 Gen1 pin h. 6x USB 2.0 pin headers 1x USB 3.1 Gen1 connector 1x USB 2.0 connector	2 x USB 3.1 Gen 2 2 x USB 3.1 Gen 1 2 x USB 2.0	4 x USB 3.0 2 x USB 2.0	4x USB 3.0, 2x USB 2.0 2 x USB 2.0 pin header 2x USB 2.0 vertical type A	6 x USB 3.0 2 x USB 3.0 pin header 4 x USB 2.0 4 x USB 2.0 pin header	4 x USB 3.0 2 x USB 2.0	4 x USB 3.0 2 x USB 3.0 pin header 8 x USB 2.0 pin header	4 x USB 3.0 8 x USB 2.0
COM	1 x RS-232/422/485 2 x RS-232	2 x RS-232/422/485 4 x RS-232	1 x RS-232 internal: 2 x RS-232/422/485 and 3 x RS232	2x RS-232/455/485 4x RS-232	2 x RS-232/455/485 4 x RS-232	2 x RS-232/455/485 4 x RS-232	2 x RS-232/422/485 4 x RS-232	2 x RS-232/422/485 4 x RS-232	5 x RS-232 1 x RS-422/485
Other	Digital IO, TPM	Audio, PS2 combo, LPT, DIO	Audio, PS2, DIO	Audio, PS2 Combo, LPT, DIO	Audio, PS2, LPT, DIO	PS2, LPT, DIO	Audio, PS2, LPT	Audio	Audio, PS2, LPT, Triple Display
Expansion slots	1* PCI-E x16 3* PCI-E x4 open-end 3* PCI	2* PCI-E x8 Gen.3 Or 1* PCI-E x16 Gen.3 + 3* PCI-E x4 Gen.3 2* PCI Gen.2.2	3* PCI-E x8 3* PCI-E x4 2* PCI	1* PCI-E X16 Gen.3 1* PCI-E X4 Gen.2 5* PCI 2.2	1* PCI-E x16 Gen3 1* PCI-E x4 Gen2 5* PCI 2.2	PEG: 2* PCI-E x16 (Gen3) 1* PCI-E x4 (Gen3); 2* PCI-E x4 (Gen3) 2* PCI	2* PCI-E x8 (Gen3) 3* PCI-E x4 (Gen3) 2* PCI 1* Full-size PCIe Mini card	1* PCI-E x16 (Gen3) 2* PCI-E x4 4* PCI	1* PCI-E x16 (Gen3), 1* PCI-E x1, 1* PCI-E x4, 4* PCI
I/O shield	4x USB 3.2, 2x USB 2.0, 1x RS-232/422/485, 2x RS-232, Audio, PS2, VGA, HDMI, DP, 2x 2.5GbE	4x USB 3.1 Gen2, 2x RS-232/422/485, Audio, VGA, HDMI 1.4, DP 1.2, 2x GbE	1x RS-232, 1x VGA, 1x HDMI, 6x USB, 2x GbE, Audio, PS2, DP++	1x VGA, 1x HDMI, 4x USB 3.0, 2x USB 2.0 2x RS-232/455/485 PS2 Combo, Audio, 2x GbE	2x RS232/422/485 1x VGA, 2x HDMI 6x USB 3.0, 2x GbE Audio, PS2	2 x RS232/422/485, 1 x VGA, 2 x DP, 6 x USB 3.0, 2 x GbE, PS2	1 x RS-232, 1 x DVI-D, 1 x VGA, 1 x HDMI, 2 x USB 2.0, 4 x USB 3.0, 2 x GbE, Audio, PS2	2 x RS-232, 1 x DVI-D, 1 x VGA, 1 x HDMI, 4 x USB 3.0, 2 x GbE, Audio	2 x GbE, 4 x USB 2.0, 2 x USB 3.0, 1 x PS2, 1 x COM, 1 x HDMI, 1 x VGA, 1 x DVI-D, Audio

Alimentatori

AC

EN 62368

APS-940XA12CP
PS2 Single 400W

Output					
+3.3V	+5V	+12V	-5V	-12V	+5VSB
28A	35A	30A	0.5A	0.8A	2A
Input 90~264VAC Full Range					
Potenza 400W					
T. Operativa -10°C ... +50°C					
MTBF 135.000 h					
Dimensioni 150x86x140 mm					

AC

EN 62368

Z-HG2-5600V
PS2 Single 600W

Output					
+3.3V	+5V	+12V	-5V	-12V	+5VSB
25A	25A	45A	-	0.8A	3.5A
Input 90~264VAC Full Range					
Potenza 600W					
T. Operativa 0°C ... +60°C					
MTBF 100.000 h					
Dimensioni 150x86x140 mm					

AC

EN 62368

Z-PSM-5760V
PS2 Single 760W

Output					
+3.3V	+5V	+12V	-5V	-12V	+5VSB
25A	25A	55A	-	0.8A	3A
Input 90~264VAC Full Range					
Potenza 760W					
T. Operativa -0°C ... +50°C					
MTBF 115.017 h					
Dimensioni 150x86x160 mm					

AC

EN 62368

Z-MRPS2-450-2AC
PS2 Redundant 500W

Output					
+3.3V	+5V	+12V	-5V	-12V	+5VSB
20A	20A	40A	0.3A	0.5A	3A
Input 90V~264VAC					
Potenza 500W					
T. Operativa -0°C ... +50°C					
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					
Potenza 400W					
T. Operativa 0°C ... +70°C					
MTBF 121.000 h					
Dimensioni 150x86x140 mm					

DC

EN 62368

Z-BMRW-5360V4
PS2 Redundant 360W 24VDC

Output					
+3.3V	+5V	+12V	-5V	-12V	+5VSB
25A	25A	28A	-	0.8A	3.5A
Input 18VDC...36VDC					
Potenza 360W					
T. Operativa 0°C ... +50°C					
MTBF 125.331 h					
Dimensioni 150x86x185 mm					

DC

EN 62368

BES-540T
PS2 Single 400W -48VDC

Output					
+3.3V	+5V	+12V	-5V	-12V	+5VSB
25A	25A	32A	-	0.8A	3.5A
Input -36VDC...-72VDC					
Potenza 400W					
T. Operativa 0°C ... +70°C					
MTBF 119.000 h					
Dimensioni 150x86x140 mm					

DC

EN 62368

Z-DMRW-5600V4
PS2 Redundant 600W

Output					
+3.3V	+5V	+12V	-5V	-12V	+5VSB
25A	25A	45A	-	0.8A	3.5A
Input -36VDC...-72VDC					
Potenza 600W					
T. Operativa 0°C ... +50°C					
MTBF 120.000 h					
Dimensioni 150x86x185 mm					