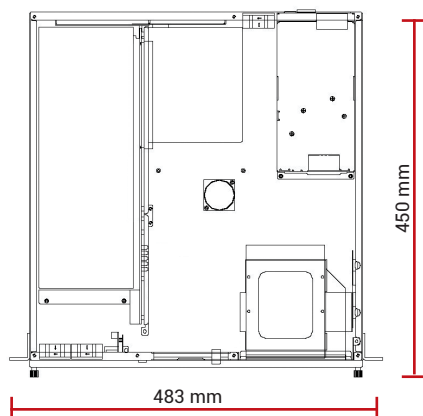


Industrial PC

GO-110E Series - Chassis for SBC 1.3



1U Industrial PC
Up to 2 expansion slots
Configured on request
Burn in on each device
Test Report



Chassis

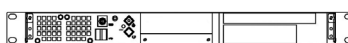
IP-244- Rev.28_EN

Dimensions	1U Chassis - 483 x 44 x 450 mm
Mounting	19" Rackmount
Materials	Pre-galvanized steel
Architecture	Passivo PICMG 1.3 Backplane
Models	- GO-110E: Black color chassis for passive PICMG 1.3 backplane EBP-D3E1 - GOI-110E-3004: Black color chassis for passive PICMG 1.3 backplane GO-3004
Drives	1 x Slim 5.25" , 1 x HDD 3.5" or 1 x 5.25" (only right bay)
Cooling units	3 x 40 x 20mm (= 7.0 CFM cad.) fans
Front leds	LEDs for Power and HDD functionality
Switches	Power On/Off and System Reset
Front	Door with captive screws, PS2 and 2 x USB
Rear	3 x full size brackets, COM and USB
Color	Black or other colors on request
Shock	15g duration 11ms - EN 60068-2-27
Vibration	10-150Hz: 1G - EN 60068-2-6
Humidity	10 - 95% non condensed
Temperature	Operative 0°C... +50°C Storage -20°C... +70°C

Options

Storage	- HDD / SSD / M.2 internal disks - Single or multiple removable drawers for HDD / SSD / U.2 - SATA / SAS / NVMe solutions
Media	- DVD writer - Internal reader CFLASH, Memory Stick, SD Card, SDHC etc. - Beige or black italian or english keyboard - Optical mouse
I/O boards	- Ethernet Server Adapter - GPGPU / Video - Multi-Head - Analogic and Digital I/O - FPGA - MULTISERIALS - Frame Grabber - MIL-1553 / ARINC 429 / ARINC 418
Slides	Telescopic slides for rackmount
Operative systems	- Windows® Enterprise / Embedded versions - Windows® Server versions - Linux

Front



Rear



44 mm

Single Board

				
	NUPRO-E47	PCIE-Q470	PCIE-Q370	NUPRO-E43
CPU Preferred	• i7-12700E: 12C 4.8GHz, 65W • i5-12500E: 6C 4.5GHz, 65W • i3-12100E: 4C 4.2GHz, 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 with PCI-E Gen3 x2 1x M.2 M Key 2280/2242 with 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	Audio	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

Backplane



EBP-D3E1
1 x PCI-E x4



GO-3004
1 x PCI-E x16
1 x PCI-E x4
(use Nupro-E43-R865)



Power supplies (max 225 mm depth)

AC



EN 62368

Z-P1H-5400V
1U Single 400W

Output					
+3.3V	+5V	+12V	-5V	-12V	+5VSB
22A	22A	32A	-	0.8A	3.5A
Input 90 ~ 264VAC Full Range					
MTBF 142.487 h					
Dimensions 100x40.5x225 mm					

DC



EN 62368

Z-P1H-5460V
1U Single 460W - 48VDC

Output					
+3.3V	+5V	+12V	-5V	-12V	+5VSB
25A	25A	37A	-	0.8A	3A
Input -36 ~ -72VDC					
MTBF 132.674 h					
Dimensions 100x40.5x225 mm					



GO-110E
Top view
without top cover