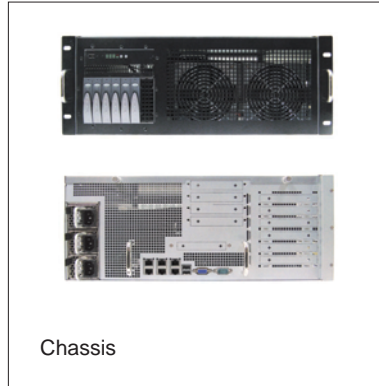
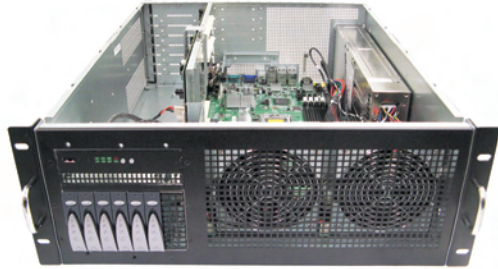


PSG-GB-4URGEDP01

Gemini

Model No: 4GDP5520
4U General Purpose Server Barebone

AIC



Chassis



Tower Workstation



MAX I/O™
Maximum I/O

PCI EXPRESS



RoHS

5 yrs Long Life Platform

COTS
CUSTOM OFF-THE-SHELF

Features & Benefits

- 1 Dual Intel® 5520 Chipset + Intel® ICH10R with 5+ year life cycle
- 2 High density I/O design - up to 7 OTS (off-the-shelf) cards with support for 4 PCIe x16 Graphics Cards @ double-slot spacing
- 3 22.5" depth 4U rackmount and tower convertible
- 4 Front-to-back airflow provides optimal thermal conditions
- 5 Customizable to meet your requirements

Specifications

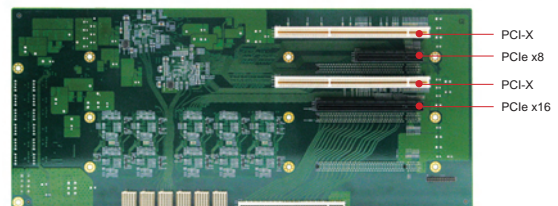
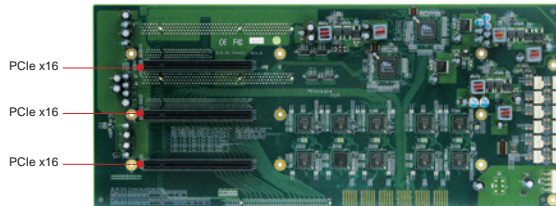
Motherboard		Front Panel	
Motherboard :	PSG-M-GEDP036D-110	Buttons :	<ul style="list-style-type: none"> • Power ON/OFF • System reset • System ID
Dimensions		LEDs :	<ul style="list-style-type: none"> • Power • Hard drive activity • Network activity • System warning
W x D x H :	17" x 22.5" x 7"	Chassis	
Processor		Description :	4U Gemini Barebone DP General Purpose Server with 6x 2.5" + 1x optical drive + PCI-X/PCIe Vertical Riser (4x PCIeX16 + 1x PCIeX8 + 2x PCIX)
Processor :	<ul style="list-style-type: none"> • Quad-Core Intel® Xeon® Processor 5500 Series (W5580, X5570, X5560, X5550, E5540, E5530, E5520, E5506, E5504, L5520, L5506) • Dual-Core Intel® Xeon® Processor 5500 Series (E5502) 	Form Factor :	4U (Convertible to Workstation Tower Chassis)
CPU Type :	<ul style="list-style-type: none"> • Dual FCLGA1366 socket • Supports single or dual Intel® Xeon® Processor 5500 series 	Drive Bays	
System Bus :	800/1066/1333 MHz (DDR3 Memory)	Drive Bays :	<ul style="list-style-type: none"> • Six (6) 2.5" SFF hot-swap hard drive trays • One (1) slim optical drive bay

<i>Expansion Slots</i>	
Expansion Slots :	<ul style="list-style-type: none"> • 4 x PCIe x16 (2 x PCIe x16 + 2 x PCIe x8 signal) • 2 x PCIe x8 • 2 x PCI-X
<i>System Memory</i>	
System Memory :	<ul style="list-style-type: none"> • Twelve (12) 240-pin DIMM sockets • Supports up to 192 GB of DDR3 800/1066/1333 MHz Registered ECC SDRAM
<i>System BIOS</i>	
BIOS Type :	AMI BIOS SPI (Serial Peripheral Interface) Flash
BIOS Features :	<ul style="list-style-type: none"> • ACPI 1.0/2.0/3.0 • PXE 2.0 • AC loss recovery • IPMI KCS interface • SMBIOS 2.0 • Serial console re-direction
<i>On-Board Devices</i>	
Chipset :	<ul style="list-style-type: none"> • Two (2) Intel® 5520 Chipsets (Tylersburg-EP) • Intel® ICH10R
SATA :	Built-in Intel® ICH10R SATA2 controller with RAID support <ul style="list-style-type: none"> • RAID 0, 1, 5, 10 (Windows) • RAID 0, 1, 10 (Linux)
IPMI ;	Aspeed AST2050 BMC <ul style="list-style-type: none"> • Intelligent Platform Management Interface 2.0 (IPMI 2.0) • iKVM, Media Re-direction, IPMI over LAN, Serial over LAN • SMASH support
Network Controllers :	<ul style="list-style-type: none"> • Two (2) Intel® 82575EB (Zoar) PCI Express dual-port GbE controller; MAC/PHY/SerDes/SGMII • Intel® 82574L PCI Express single-port GbE controller • Intel® 82566DM (Nineveh) GLCI single-port GbE PHY
Graphics :	Aspeed AST2050 graphics controller <ul style="list-style-type: none"> • Up to 128 MB of memory • 1600 x 1200 @ 60 Hz, 16bpp
SUPER I/O :	Winbond W83627DHG

<i>SATA/SAS Backplane</i>	
SATA/SAS BP :	3 x two drive backplanes
<i>Input/Output</i>	
Serial ATA :	6 x SATA2 ports
LAN :	6 x RJ45 ports
USB :	3 x USB ports (2 rear + 1 front)
VGA :	1 x external VGA port + 1 Internal VGA port pin-header
Serial Port :	1 x external DB-9 serial port + 1 x Internal DB-9 serial port pin-header
<i>Power Supply</i>	
Power Supply :	1350W 2+1 redundant power supply unit
<i>System Cooling</i>	
System Cooling :	<ul style="list-style-type: none"> • 2 x 120mm x 38mm, 7000 rpm • 1 x 80mm x 38mm, 10K rpm
<i>System Management</i>	
System Management :	<ul style="list-style-type: none"> • IPMI 2.0 compliance • KVM over IP • Media re-direction • CPU temperature (PCEI) • System temperature • Fan speed detection • Smart Fan speed control • System ID / System fail indicator • SMASH support • Remote Power ON/OFF/Reset
<i>Operating Environment/Compliance</i>	
RoHS :	Yes
Environmental Specifications :	<ul style="list-style-type: none"> • Operating Temperature: 0 ~ 40°C • Operating Altitude Condition: 0 ~ 10K feet • Storage Temperature: -20 ~ 60 °C • System Relative Humidity: 5% to 95% (38°C) non-condensing

Riser Cards

PSG-RC-GE4U-52-110 : Gemini Gold finger Gen II PCIe x16 + 6 PCIe x8 PCIe to 4 PCIe x16 + PCIe x8 + 2 PCIX



Compatibility Guide	www.aicpc.com/CompGuide.aspx
Where to Buy	www.aicpc.com/WhereToBuy.aspx
AIC website	www.aicpc.com

Remark: All specifications and photos are subject to change without notice.