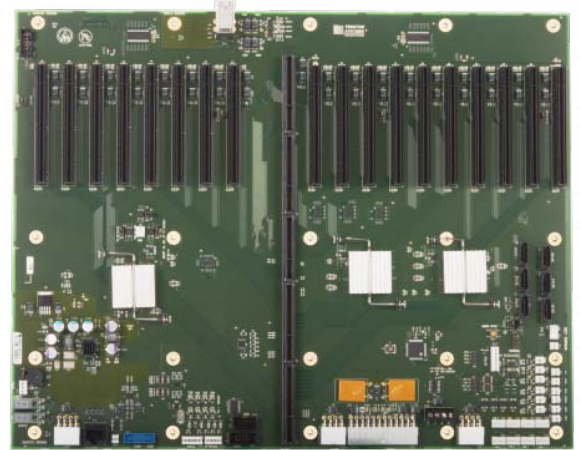


Transduction

Intel i7 or Xeon Multi-Core Processors

BERTA 18X

6U Rack Mount Chassis w/ up to 18 PCIe x16 Slots



Design of the BERTA 18X computer has been optimized for large number of PCIe type high speed (x16) expansion slots. It offers excellent air flow cooling of option cards and it is highly reliable to minimize down time. Longevity of supply is assured by Intel SKYLARK Xeon processors. Supply of this computer is expected until 2024.

Features

- Reliable industrial 6U rack mount computer with up to 18 expansion PCIe x16 slots.
- Air chamber support for front air fans to optimize air flow.
- Adaptive temperature controller to extend life of air fans and to prevent excessive intake of dust.
- Intel C236 chipset with current Intel technology, quad core i7 or Xeon multi-core processors.
- Intel HD Graphics P350 and 530 with DirectX 12, OpenGL 4.4 support with 4K resolution of 4096 x 2304 - 2 x DVI-D ports and 1 x DisplayPort
- Up to 64GB memory with dual channel DDR4-2133 interface using 16GB DDR4 DIMMs.
- 1 - 6TB Seagate server-class SATA Hard Drive
- Optional dual hot swap SATA RAID 0/1/3/5 disk subsystem.
- Universal power supply up to 1250W with AC or DC input..
- 2 x RS232 serial ports, 2 x ethernet ports and 1 x PS/2 keyboard and mouse.
- 4 x USB ports (2 x USB 2.0 and 2 x USB 3.0).
- Available from stock with warranty of 5 years.
- MTBF >100,000 hours based on our service records.
- Compatible with Windows 7, Windows 10, QNX & LINUX operating systems.

BERTA 18X

Specifications

Backplane Expansion Slots

- Up to 18 expansion slots PCIe x16 with fast Intel bridge chips.

Processor

- Intel i7 or Xeon multi-core processor

Chipset

- Intel C236 Platform Hub Controller (PCH, PCH-H, "Greenflow")

BIOS

- AMI PATIO 5.x

Memory

- Two dual channel DDR4-2133 memory interfaces have two DIMM slots each that support unbuffered ECC PC4-17000 DDR memory DIMMs
- Up to 64GB with 16GB DDR4 DIMMs

Ethernet

- Intel i350 controller for 2 x 10/100/1000 BaseT RJ45 connectors

Graphics

- Intel HD P350 and 530 with DirectX 12, OpenGL 4.4 support with 4K resolution of 4096 x 2304 @ 60Hz
- 2 x DVI-D and 1 x DisplayPort

I/O Ports

- 4 USB ports - 2 x USB 2.0 and 2 x USB 3.0
- 2 x RS232 serial ports
- 1 x keyboard and mouse ports

CD-DVD-R/W

- Full size SATA CD-DVD-R/W

Disk Storage Options

- Qty. 1 Seagate server class drive 1 to 6TB
- Qty. 1 Dual drive RAID 0/1 with Seagate server class drives 1 to 6TB
- Qty. 1 Triple drive RAID 0/3/5 with Seagate server class drives 1 to 6TB

Watchdog Timer

- Programmable timeout period of 100msec up to 3m.

BERTA Chassis Features

Backplane

- Up to 20 slots in upper compartment.

Power Supply

- Universal power supply up to 1250W

Cooling

- 4 x air fans in upper cage with a choice of CFM air fans.
- 1 x air extract fan in the rear of bottom compartment.

Additional Drives

- 4 x 5.25" drive bays
- Space for 3 additional 3.5" drives in the rear of bottom compartment.

Meter

- Hours used counter

Operating Temperature

- 0 ~ 50°C, 60°C for 2 hours (32 ~ 122°F, 140°F for 2 hours)
- Relative humidity 10 ~ 90%, non-condensing

Storage Temperature

- -20 ~ 60°C (-4 ~ 140°F)
- Relative humidity 10 ~ 50%, non-condensing

Vibration and Seismic

- 5G/15G (US zone 4)

Compliance

- FCC Class A, UL, C-UL, CE

Physical Dimensions

- 10.5" (6U) high, 19" wide and 17" deep.

Weight

- 73.6lbs (33.3kg), shipping weight: 78lbs (35.8kg)

Warranty: 5 years

Logitech USB keyboard and optical mouse included.

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