

Starfabric PCI Bus Extension Chassis



4 Slot PCI Bus Expansion Chassis and PCI Expansion Card

PCI Systems Starfabric PCI Bus Extension Chassis is an ideal solution to expand a standard desktop PC with 4 additional 64 Bit PCI slots. **FULL BANDWIDTH up to 66 MHz / 64 Bit** signaling assures proper operation for asynchronous traffic. The StarFabric Bridge translates parallel PCI traffic into serial frame format for transmission across StarFabric and then back to parallel PCI with connections up to 10 meters using standard low cost shielded CAT5 cables with RJ45 connectors. Starfabric is completely software transparent that does not use computing resources for protocol conversion. It simply appears as a PCI bridge. The virtually unlimited transfer rates means that time-critical systems can be implemented economically from both the hardware and the software points of view. The CPU's full computing power is available for the application because there is no conversion to another bus system, such as, Ethernet, SCSI, etc. making StarFabric an ideal solution for Industrial and Laboratory applications.



Ordering

PCI_LMH0000030	Starfabric-PCI 64 Bit/5V Expansion Chassis
PCI_LMH0000040	Starfabric-PCI 64 Bit/3.3V Expansion Chassis
PCI_LMH0000050	Starfabric-PCI 32 Bit/5V Expansion Chassis

PCI_1H0001702	PCI Root 32-64 bit 5V
PCI_1H0001712	PCI Root 32-64 bit 3.3V

Accessories

PCI_F006.1301	CAT5 Cable – 1M pair
PCI_F006.1302	CAT5 Cable – 2M pair
PCI_F006.1305	CAT5 Cable – 5M pair
PCI_F006.1310	CAT5 Cable – 10M pair

StarFabric Master (Root) PC System Requirements

- PCI BIOS, min. V2.1
- PCI V2.2 compatible motherboard
- 32-bit or 64-bit PCI slot with 33 MHz or 66MHz
- 5.0V power supply for
PCI_1H00001702
- 3.3V power supply for
PCI_1H00001712

StarFabric PCI Extension Box

- 4 PCI Slots
- 32 or 64 Bit PCI board
- 150W AC power supply
- Stainless steel EMC housing
- Dimensions – 160mm W x 235mm D x 143mm H
- Weight – 4 pounds
- Active cooling for PCI boards
- Connection to standard PC through a PCI Slave Card
- Cable length up to 10 Meter through CAT5 cable
- No software required, fully transparent connection
- Several PCI expansion boxes can be cascaded for additional slots

General

- Operating temp.: 0 °C to +50 °C
- Storage temp.: –40 °C to +85 °C
- Operating humidity: 0% to 95% non-condensing
- 1 year limited warranty