

StarFabric conformity PCI Bus Expansion Adapter for Low Profile PCI PC-Slot EAD(LPCI)SF



* Specifications, color and design of the products are subject to change without notice.

Features

Using high-speed serial transfer (2.5 Gbps), capable of extending the PCI bus to up to 12m.

PCI-bus compatible, eliminating the need for changing PCI bus board software.

Using a, noise-immune, STP-category, 5e cable easy to wire and install.

Capable of expand the PCI bus (5V/32-bit, 33 MHz) from a single PCI bus slot in the PC.

Expansion chassis free of choice according to the number of PCI bus slots and the board size required.

Power supply controllable in response to the turning on/off of the PC's power supply.

Supporting both of Low Profile and standard PCI slots (exchangeable with the bundled bracket).

Specification

Specification < BUS-PC(LPCI)SF >

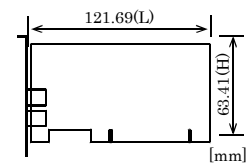
| Item | Specification |
|--------------------------|--|
| Compatible bus | PCI Local Bus Specification Rev2.2 (+5V/+3.3V type) |
| Outside dimensions (mm) | 121.69(L) x 63.41(H) |
| Power consumption (Max.) | 3.3VDC 450mA *1 (JP1 pins 1 and 2 connected) 5VDC 350mA *1 (JP1 pins 2 and 3 connected) |
| Usable condition | 0 - 50°C, 10 - 90%RH (No condensation) |
| Weight | 50g |

*1 Power is supplied from the PC's main unit.

Specification of the bundled cable

| Item | Specification |
|--------------------------|---|
| Bundled connection cable | STP-category, 5e straight cables 12m x 2 cables |
| Weight | 400g / cable |

Board Dimensions



The standard outside dimension(L) is the distance from the end of the board to the outer surface of the slot cover.

Expansion chassis (Option)

PCI Bus Expansion Chassis

PCI Bus Expansion Chassis (Short x 2Slots)
: ECH(PCI)SF-H2B

PCI Bus Expansion Chassis (Long x 2Slots)
: ECH(PCI)SF-F2B

PCI Bus Expansion Chassis (Short x 4Slots)
: ECH(PCI)SF-H4B

PCI Bus Expansion Chassis (Long x 4Slots)
: ECH(PCI)SF-F4B

PCI Bus Expansion Chassis (Short x 4Slots)
: ECH(PCI)SF-H4A

PCI Bus Expansion Chassis (Short x 7Slots)
: ECH(PCI)SF-H7A

PCI Bus Expansion Chassis (Long x 7Slots)
: ECH(PCI)SF-F7A

PCI Bus Expansion Chassis (Short x 13Slots)
: ECH(PCI)SF-H13A

PCI Bus Expansion Chassis (Long x 13Slots)
: ECH(PCI)SF-F13A

Check the CONTEC's Web site for more information on these expansion chassis.

Connection cable (Option)

Connection cables (12-meter, STP-category, 5e straight cables) are bundled with this product. The following options can also be available:

UTP-category, 5e straight cables (3m): TP-03 *1*2

UTP-category, 5e straight cables (5m): TP-05 *1*2

UTP-category, 5e straight cables (10m): TP-10 *1*2

*1 A pair of cables are required for connection.

*2 When used in an environment susceptible to extraneous noise, UTP cables may cause link connection. It is advisable to use STP cables available on the market.

Packing List

Expansion adapter board [BUS-PC(LPCI)SF] ...1

Connection cable [STP-category, 5e straight cables (12m)] ...2

User's Manual ...1

Bracket for the PCI ...1

Restrictions

This product has restrictions on the types of PCs and boards that can be used.

Be sure to check the following restrictions before use.

< Restrictions of PC >

This product uses the switch fabric to extend the bus.

The PCI boards plugged in PCI slots in this product are recognized if the switch fabric is recognized as the PCI-to-PCI bridge by the BIOS in the PC used. Ask the PC vendor for whether the BIOS recognizes the PCI-to-PCI bridge.

< Restrictions on transfer rate >

When the expansion chassis accommodates a board that performs high-speed transfer such as bus mastering, the overall transfer rate may be lower than that of PCI bus slots in the main unit of a desktop PC.

This is caused by bus extension by the PCI-to-PCI Bridge.

The transfer rate may vary with the system configuration and the type of the PC.

< Restrictions of PCI board >

None of the following types of boards can be used in any expansion slot in the expansion chassis.

Video display board (VGA board)

Board to connect a PCI bus expansion unit

Board explicitly stated not to be used with the PCI-to-PCI Bridge

Some boards, even PCI-compliant ones, may not work depending on their specifications.

Combinations of Expansion Adapters and Expansion Chassis

The expansion adapters and expansion chassis can be used in the following combinations:

| Expansion adapter | Expansion chassis ECH(PCI)SF | | | | | | | | |
|-------------------|------------------------------|------|------|------|------|------|------|-------|-------|
| | -H2B | -F2B | -H4B | -F4B | -H4A | -H7A | -F7A | -H13A | -F13A |
| EAD(CB)SF | O | O | O | O | O | x | x | x | x |
| EAD(LPCI)SF | O | O | O | O | O | O | O | O | O |
| EAD-SF-LPE | O | O | O | O | O | O | O | O | O |