CONTEC
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StarFabric Compliant
PCI Bus Expansion Adapter for CardBus PC-Slot

EAD(CB)SF

The EAD(CB)SF is an expansion adapter that connects the optional expansion chassis [ECH(PCI)SF] to a PC to extend a CardBus compliant PC Card slot in the PC, thereby providing additional PCI bus slots. The expansion adapter can connect the expansion chassis to the PC over a distance of up to 12m.

EAD(CB)SF operates under Windows XP, Windows 2000.

Features

- Using high-speed serial transfer (2.5 Gbps), capable of extending the PCI bus to up to 12m.
- Using a, noise-immune, STP-category, 5e cable easy to wire and install.
- Capable of expand the PCI buses (5V/32-bit, 33 MHz) from a notebook computer.
- 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.

Connection cable

■ 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.

Product Configuration List

- PC Card [BUS-PC(CB)SF] ... 1
- Connection cable [STP-category, 5e straight cables (12m)] ... 2
- User's Manual (this booklet) ... 1
- CD-ROM [DriversSoftware for EAD(CB) Series] ... 1

Expansion chassis

■ Expansion chassis (Option)

PCI Bus Expansion Chassis

(Short x 2Slots, Black)	: ECH(PCI)SF-H2B
(Long x 2Slots, Black)	: ECH(PCI)SF-F2B
(Short x 4Slots, Black)	: ECH(PCI)SF-H4B
(Long x 4Slots, Black)	: ECH(PCI)SF-F4B
(Short x 4Slots, Ivory)	: ECH(PCI)SF-H4A

Specification

■ Specification of BUS-PC(CB)SF

Item	Specification
Compatible PC card slot	PC Card Standard-compliant CardBus
Outside dimensions (mm)	TYPE II (119.0 x 54.0 x 19.0mm)
Power consumption	3.3VDC　450mA (Max.) (*1)
Usable condition	0 to 50°C, 20 to 90%RH (No condensation)
Weight	40g

　　*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

Restrictions

EAD(CB)SF 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 >
- Your PC must have a PC Card slot conforming to the CardBus PC Card Standard on a PC.
- EAD(CB)SF uses the switch fabric to extend the bus.
  The expansion adapter does not work normally if the BIOS and CardBus controller on your PC do not detect the switch fabric device as the PCI-to-PCI Bridge.
- Check the CONTEC's Web site for more information on the certified PCs and supported OSs.

< 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 connected to the EAD(CB)SF.
- Video display board (VGA board)
- Board that must boot from within the expansion chassis
- Board to connect a PCI bus expansion chassis
- 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

< Restrictions of OS >
The EAD(CB)SF has the following restrictions when used in the Windows XP or Windows 2000 environment.
Available I/O address range 　　　:　Within 768 Bytes
Available memory address range 　:　Within 1 MByte
The available I/O address and memory address ranges may be different depending on each PC environment.

The specification, color, and design of a product may be changed without a preliminary announcement.