

Expansion Adapter for PCI Express Slot EAD-DE-LPE



Features

PCI bus (5V/32bit 33MHz) or PCI Express(x1) bus expansion slot can be added to PCI Express bus slot on PC

When connecting the adapter to an optional expansion chassis, PCI bus (5V/32bit 33MHz) or PCI Express(x1) bus expansion slot can be added to PCI Express bus slot on PC. The product comes with a connection cable (1m), which can be used to connect PCI express card with the expansion chassis.

Expansion chassis can be selected according to your use

An expansion chassis can be selected according to the number of slots needed for the bus type (PCI or PCI Express(x1) bus) as well as the card size.

Power-ON/OFF control of the expansion chassis can be linked to that of your PC

As your PC is turned ON or OFF, the expansion chassis can also be turned ON or OFF, accordingly. Except for the ECH-PCI-DE-H4D, ECH-PCI-DE-H2C as it has no linkage function.

Fit into both of Low Profile and standard size slots

The adapter can be fit into both of Low Profile and standard size slots (interchangeable with a bundled bracket).

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-DE		Expansion chassis ECH-PCI-DE2				Expansion chassis ECH-PE-DE2
	-H4D	-H2C	-H2B	-H4B	-F4B	-H13A	-H2B
EAD-DE-LPE	○*1	○*1	○	○	○	○	○

*1 The ECH-PCI-DE-H4D, ECH-PCI-DE-H2C has no linkage function with the PC power-ON/OFF.

Product Configuration List

Product ...1
Setup Guide ... 1
Warranty Certificate ...1
Serial Number Label ...1
Connection Cable...1
Connection Cable Attachment Fitting...2
Screw for Connection Cable Attachment Fitting...2
Standard Size Bracket...1

This product is a PCI Express bus-compliant expansion adapter (bundled with a 1m connection cable) that connects a PCI Express bus slot on a PC with an expansion chassis (PCI bus or PCI Express bus).

An expansion chassis can be selected according to your use.

The adapter can fit into a Low-Profile size slot, and also into a standard size slot by replacing with a bundled standard size bracket.

- * Specifications, color and design of the products are subject to change without notice.
- * The contents in this document are subject to change without notice.
- * Visit the CONTEC website to check the latest details.
- * The information in the data sheets is as of November, 2023.

Function Specifications

Specification of Expansion Adapter Card

Item	Specification
Compatible bus	PCI Express Base Specification Rev. 1.0a x1
Physical dimensions (mm)	67.08(L) x 67.90(H)
Power consumption	3.3VDC 100mA (Max.)
Usable condition	0 - 50°C, 0 - 90%RH (No condensation)
Weight	50g
Standard	VCCI Class A, FCC Class A, CE Marking (EMC Directive Class A, RoHS Directive), UKCA

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

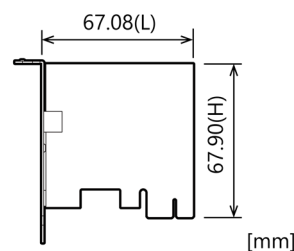
Specification of Connection Cable

Item	Specification
Cable length	1m

CAUTION

- Do not use anything other than the connection cable that comes with this product. Otherwise, this product may malfunction, overheat, cause a failure or breakage.

Physical 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 (Optional product)

PCI Bus Expansion Chassis

- (Short size, 2-Slots) : ECH-PCI-DE2-H2B
- (Short size, 4-Slots) : ECH-PCI-DE2-H4B
- (Long size, 4-Slots) : ECH-PCI-DE2-F4B
- (Short size, 2-Slots, BLACK) : ECH-PCI-DE-H2C
- (Short size, 4-Slots, Silver) : ECH-PCI-DE-H4D
- (Long size, 13-Slots) : ECH-PCI-DE2-F13A

PCI Express Bus Expansion Chassis

- (Short size, 2-Slots) : ECH-PE-DE2-H2B

Connection cable (Optional product)

Connection cables (1-meter) is bundled with the expansion adapter. The following options can also be available:

Cable for PCI Express (1m)	:	CB-DE-1
Cable for PCI Express (2m)	:	CB-DE-2

Restrictions

This product is used in a combination with the optional expansion adapter. The following restrictions apply to the situation when the expansion adapter is connected to the expansion chassis.

This product has restrictions on the types of PCs and cards that can be used. Be sure to check the following restrictions before use.

< Restrictions of PC >

This product use the PCI-to-PCI Bridge to extend the bus. The PCI cards plugged in PCI slots in this product are recognized if the PCI-to-PCI bridge is recognized 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 card 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 card >

None of the following types of cards can be used in any expansion slot in the expansion chassis of PCI bus.

- Video display card (VGA card)
- Card to connect a PCI bus expansion chassis
- Card explicitly stated not to be used with the PCI-to-PCI Bridge

< Restrictions of PCI Express card >

None of the following cards can be plugged into any expansion slot in this product.

- The one that transmission rate of x1 or more is demanded(x16 etc.)
- Card to connect a PCI bus expansion chassis
- Some cards, even PCI or PCI Express bus -compliant ones, may not work depending on their specifications