

Cabled PCI Express PCI Express bus slot Expansion Adapter(Host PC) EAD-CE-LPE



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

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 it 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 board 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 board 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.

Support for both of Low Profile and standard size slots

Support for both of Low Profile and standard size slots (interchangeable with a bundled bracket).

Packing List

Expansion adapter board [BUS-AD1C-LPE] ...1
Connection cable [CB-CE1] ...1
This User's Manual ...1
Standard size bracket ...1

This product is a Low-Profile-size PCI Express bus-compliant expansion adapter (bundled with a 1m connection cable) that connects a PCI Express bus slot on a PC with a expansion chassis(PCI bus or PCI Express bus). An expansion chassis can be selected according to your use.

Specification

Specification of BUS-AD1C-LPE

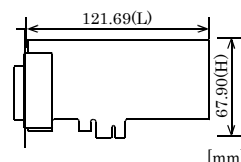
Item	Specification
Compatible bus	PCI Express Base Specification Rev. 1.0a x1
Outside dimensions (mm)	121.69(L) x 67.90(H)
Power consumption	3.3VDC 50mA (Max.)
Usable condition	0 - 50°C, 0 - 90%RH (No condensation)
Weight	40g
Certification	RoHS,CE,FCC,VCCI

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

Specification of CB-CE1

Item	Specification
Bundled connection cable	CB-CE1 (Cable length 1m)

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

(Short size, 2-Slots, BLACK)	: ECH-PCI-CE-H2B
(Long size, 2-Slots, BLACK)	: ECH-PCI-CE-F2B
(Short size, 4-Slots, BLACK)	: ECH-PCI-CE-H4B
(Long size, 4-Slots, BLACK)	: ECH-PCI-CE-F4B
(Short size, 4-Slots, Built-in)	: ECH-PCI-CE-H4A
(Short size, 7-Slots, Built-in)	: ECH-PCI-CE-H7A
(Short size, 13-Slots, Built-in)	: ECH-PCI-CE-H13A

PCI Bus Expansion Chassis

(Short size, 2-Slots, BLACK)	: ECH-PE-CE-H2B
(Long size, 2-Slots, BLACK)	: ECH-PE-CE-F2B

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

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-CE							Expansion chassis ECH-PE-CE	
	-H2B	-F2B	-H4B	-F4B	-H4A	-H7A	-H13A	-H2B	-F2B
EAD-CE-EC	○	○	○	○	○	×	×	○	○
EAD-CE-LPE	○	○	○	○	○	○	○	○	○

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 boards that can be used.

Be sure to check the following restrictions before use.

< Restrictions of PC >

This product uses the PCI-to-PCI Bridge to extend the bus.

The PCI boards 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 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 of PCI bus.

Video display board (VGA board)

Board to connect a PCI bus expansion chassis

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

< Restrictions of PCI Express board >

None of the following types of boards can be used in any expansion slot in the expansion chassis of PCI Express bus connected to this product.

The one that transmission rate of x1 or more is demanded(x16 etc)

Board to connect a PCI bus expansion chassis

Some boards, even PCI or PCI Express bus -compliant ones, may not work depending on their specifications