PCI Bus Expansion Adapter for Low Profile PCI PC-Slot
EAD(LPCI)BE

The EAD(PCI)BE or EAD(LPCI)BE is an expansion adapter that connects the optional expansion chassis ECH(PCI)BE to a PC to extend a PCI bus expansion slot in the PC, thereby providing additional PCI bus expansion slots.

* 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 July, 2022

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

Features

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).

Expansion chassis (Option)

PCI Bus Expansion Chassis

(Short x 2Slots)	:	ECH(PCI)BE-H2B
(Long x 2Slots)	:	ECH(PCI)BE-F2B
(Short x 4Slots)	:	ECH(PCI)BE-H4B
(Long x 4Slots)	:	ECH(PCI)BE-F4B
(Short x 4Slots)	:	ECH-PCI-BE2-H4A
(Short x 7Slots)	:	ECH-PCI-BE2-H7A
(Long x 7Slots)	:	ECH-PCI-BE2-F7A
(Short x 13Slots)	:	ECH(PCI)BE-H13A
(Long x 13Slots)	:	ECH(PCI)BE-F13A

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)BE								
	-H2B	-F2B	-H4B	-F4B	-H4A	-H7A	-F7A	-H13A	-F13A
EAD(CB)BE	○	○	○	○	○	×	×	×	×
EAD(PCI)BE	○	○	○	○	○	○	○	○	○
EAD(LPCI)BE	○	○	○	○	○	○	○	○	○
EAD-BE-LPE	○	○	○	○	○	○	○	○	○

Expansion adapter	Expansion chassis ECH-PCI-BE2		
	-H4A	-H7A	-F7A
EAD(CB)BE	○	×	×
EAD(PCI)BE	○	○	○
EAD(LPCI)BE	○	○	○
EAD-BE-LPE	○	○	○

Specifications

### Specifications of BUS-PC(LPCI)A

Item	Specification
Compatible bus	PCI Local Bus Specification Rev.2.3 (+5V/+3.3V type)
Outside dimensions (mm)	121.69(L) x 63.41(H)
Power consumption (Max.)	3.3VDC 200mA *1 (JP1 pins 1 and 2 connected) 5VDC 200mA *1 (JP1 pins 2 and 3 connected)
Usable condition	0 - 50℃, 10 - 90%RH (No condensation)
Weight	50g
Standard	VCCI Class A, CE Marking (EMC Directive Class A, RoHS Directive), UKCA

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

Specifications of CB-CB68/96A

Item	Specifications
Bundled connection cable	CB-CB68/96A (Cable length 1m)

Outside dimensions

121.69(L)

63.41(H)

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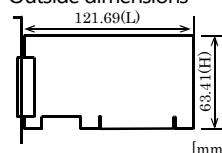
The standard outside dimension (L) is the distance from the end of the board to the outer surface of the slot cover.

Packing List

Expansion adapter board [BUS-PC(LPCI)A] ...1
Connection cable [CB-CB68/96A] ...1
This User's Manual ...1
Bracket for PCI ...1
Warranty Certificate ...1

Restrictions

EAD(PCI)BE, EAD(LPCI)BE 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>
EAD(PCI)BE, EAD(LPCI)BE use the PCI-to-PCI Bridge to extend the bus. The PCI boards plugged in PCI slots in the EAD(PCI)BE, EAD(LPCI)BE 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.

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