

## PCI Bus Expansion Chassis Short x 4Slots with built-in power supply ECH(PCI)BE-H4B



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

### Features

Capable of adding 4 PCI bus (5V/32-bit, 33MHz) slots.

Accepting short-size PCI bus boards.

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

Built-in cooling fan.

Compact housing that enables a space-saving system to be constructed.

### Expansion adapter (Option)

PCI Bus Expansion Adapter for PCI Bus PC-Slot  
: EAD(PCI)BE

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

PCI Bus Expansion Adapter for Low Profile PCI Express PC-Slot  
: EAD-BE-LPE

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

### 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
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	○	○	○

This product is an expansion chassis that adds PCI bus expansion slots to a PC by being connected to the PC via an optional expansion adapter EAD(PCI)BE, EAD(LPCI)BE, or EAD-BE-LPE.

- \* 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 December, 2021.

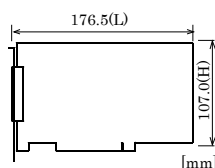
### Specifications

Item	Specifications
Compatible bus	PCI Local Bus Specification Rev2.3 (+5V type)
Address space	32-bit memory address, I/O address
Interrupt level	INTA - INTD
Bus operating clock	33MHz (Max)
Number of user-available slots	4 slots (short size)
Acceptable board sizes (mm)	176.5(L) x 107(H)
Power supply	
Expansion slot supplied power (The output current must not exceed the value on the right)	-5VDC 7A (Max) *2 +3.3VDC 3A (Max) *2 +12VDC 1.5A (Max) -12VDC 0.3A (Max)
Maximum total power capacity	60W
AC input line voltage *1	100 - 240VAC
AC line frequency	47 - 63Hz
AC power input current	2A (90VAC)
Physical dimensions (mm)	112.0(W) x 144.0(H) x 222.0(L) (without rubber feet)
Weight	1.5 kg
Physical dimensions of AC adapter (mm)	85(W) x 50(H) x 155(L)
Cable length of AC adapter	1.2m
AC cable	1.8m with 2P ground
Weight of AC adapter	0.9 kg

\*1 AC input line voltage range: 90 - 264VAC

\*2 The sum of +5VDC and +3.3VDC must not exceed 35W.

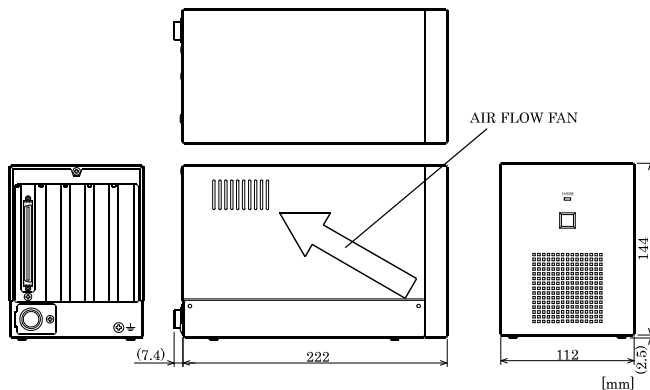
Outside dimensions of acceptable board (Max.)



### Environmental specifications

Item	Specification
Operating temperature	0 - 50°C
Operating humidity	20 - 80%RH(No condensation)
Storage temperature	0 - 60°C
Storage humidity	10 - 90%RH(No condensation)
Floating dust particles	Not to be excessive
Corrosive gases	None
Standard	VCCI Class A

## Physical Dimensions



## Packing List

- Expansion chassis...1
- First step guide...1
- AC Adapter...1
- Power Cable...1
- Slot cover...4
- Board fixed screw...4
- Warranty Certificate...1
- Serial No. Label...1

## Restrictions

ECH(PCI)BE-H2B/F2B/H4B/F4B 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 >

ECH(PCI)BE-H2B/F2B/H4B/F4B uses the PCI-to-PCI Bridge to extend the bus. The PCI boards plugged in PCI slots in the ECH(PCI)BE-H2B/F2B/H4B/F4B 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 boards can be plugged into any expansion slot in the ECH(PCI)BE-H2B/F2B/H4B/F4B.

- 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