PCI Bus Expansion Chassis
Long x 4Slots with built-in power supply

ECH(PCI)BE-F4B

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, 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 long-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	-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	○	○	○

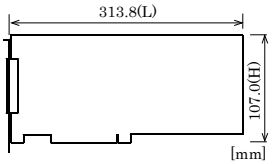
Specifications

Specifications

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 (long size)
Acceptable board sizes (mm)	313.8(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 360.0(L)(without rubber feet)
Weight	2.0 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.

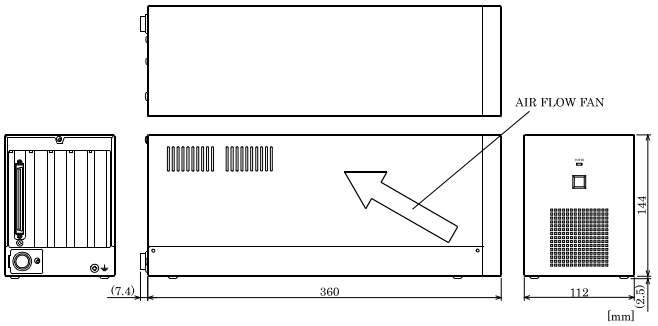
Outside dimensions of acceptable board (Max.)



Environmental specifications

Item	Specification
Operating temperature	0 - 50ºC
Operating humidity	20 - 80%RH(No condensation)
Storage temperature	0 - 60ºC
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