PCI Express Expansion Chassis
Short size, 2-Slots, BLACK

ECH-PE-CE-H2B



This product is an expansion chassis that adds PCI Express bus slots of PC.

Connecting an optional expansion adaptor (EAD-CE-LPE) can add two PCI Express(x1) bus slots to the PC. Mountable board is a short -type PCI Express board. You can link the ON/OFF control of the chassis to that of your PC. As the cabinet contains a built-in cooling fan, achieving a compact design, you can build a system even in a limited space next to your PC. The product is also bundled with an easy-to-carry AC adapter.

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

Features

PCI Express (x1) bus slots can be added to your PC.
Two PCI Express (x 1) bus slots can be added. This expansion chassis is connected to a PC using an optional expansion adapter.

Two short-type PCI Express bus boards (x 2) can be connected.
You can connect two PCI Express boards up to 176.5(L) x 111.15 (H) mm.

ON/OFF control of the chassis can be linked to that of your PC.
You can link the ON/OFF control of the expansion chassis to that of your PC.

The compact design of the cabinet with a built-in cooling fan enables space-saving system construction.
As the cabinet contains a built-in cooling fan, achieving a compact design, you can build a system even in a limited space next to your PC. The product is also bundled with an easy-to-carry AC adapter.

Expansion adapter (Option)

Expansion Adapter for Express Card Slot : EAD-CE-EC
Expansion Adapter for PCI Express Slot : EAD-CE-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-CE								
	-H2B	-H2C	-F2B	-H4B	-F4B	-H4D	-H4A	-H7A	-H13A
EAD-CE-EC	○	○	○	○	○	○	○	×	×
EAD-CE-LPE	○	○	○	○	○	○	○	○	○

Expansion adapter	Expansion chassis ECH-PCI-CE2		Expansion chassis ECH-PE-CE			Expansion chassis ECH-PE-CE2
	-H4A	-H7A	-H2B	-F2B	-F4A	-F4A
EAD-CE-EC	○	×	○	○	×	×
EAD-CE-LPE	○	○	○	○	○	○

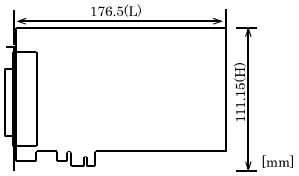
Specifications

Specification

Item		ECH-PE-CE-F2B
Compatible bus		PCI Express Base Specification Rev.1.0a x1 *1
Power consumption		2.5G bps (Max.)
Number of user-available slots		2 slots (short size)
Acceptable board sizes (mm)		176.5(L) x 111.15(H)
Power supply		
	Expansion slot supplied power (The output current must not exceed the value on the right.)	+3.3VDC 6A (Max.) *2 +12VDC 1.5A (Max.) -12VDC 0.3A (Max.)
	Maximum total power capacity	60W
	AC input line voltage *3	100 - 240VAC
	AC line frequency	47 - 63Hz
	AC power input current	2A (90VAC)
Outside dimensions (mm)		71.0(W) x 144.0(H) x 222.0(L) (without rubber feet)
Weight		1.2 kg
Outside 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 Although x16 boards can be installed, they function the same as x1 boards.
*2 Do not exceed 3A every one slot when you use 3.3VDC.
*3 AC input line voltage range: 90 - 264VAC

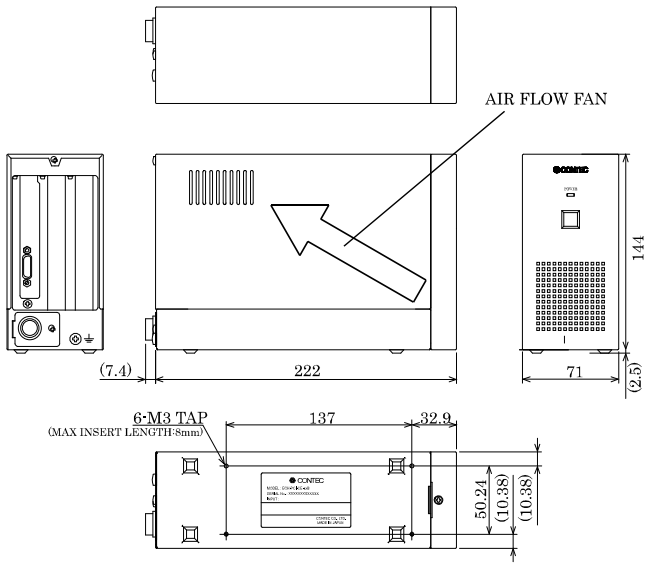
Outside dimensions of acceptable board (Max.)



Environmental specifications

Item	Specifications
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, FCC Class A, CE Marking (EMC Directive Class A) , RoHS Directive,

Physical Dimensions



Packing List

Expansion chassis [ECH-PE-CE-H2B]...1
AC adapter ...1
Power cable ...1
Slot cover ...2
Board fixed screw ...2
First step guide ...1
Warranty Certificate ...1
Serial Number Label ...1

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>
If using the EAD-CE-LPE adapter (sold separately) in the PC, check that the PC has a PCI Express bus slot. If using the EAD-CE-EC expansion adapter (sold separately), check that the notebook PC has an Express Card slot.

< Restrictions of PC Express board>
None of the following boards can be plugged into any expansion slot in this product.

- Boards that require a communication speed of x1 or higher (x16, for example).
- Board to connect a PCI bus expansion chassis

Some boards may not work even though they comply with the PCI Express bus standard.