

PCI Bus Expansion Chassis Long size, 13-Slots ECH-PCI-DE2-F13A



Features

- PCI bus (5V/32bit 33MHz) slots can be added to your PC.
- PCI bus slots (5V/32bit 33MHz) can be added to ECH-PCI-DE2-F13A.
- ECH-PCI-DE2-F13A can add thirteen PCI bus slots.
- This expansion chassis is connected to a PC using an optional expansion adaptor.
- PCI bus cards can be connected.
- You can connect long-type [313.8 (L) x 107 (H) mm] PCI bus cards.
- ECH-PCI-DE2-F13A can connect thirteen PCI bus cards.
- 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.
- Steel chassis with cooling fan.
- Steel chassis with cooling fan suitable for use in fields
- Wall-mountable.
- Wall-mountable with optional brackets.

Included Items

- Product ... 1
- Power cable ... 1
- Slot cover ... 13
- Card fixed screw ... 13
- Rubber feet ... 4
- Please read the following ... 1

This product is an expansion chassis that adds PCI bus slots to a PC. Connecting an optional expansion adaptor (EAD-DE-LPE) can add PCI bus slots onto the PC.

The installable card types are long-type [313.8 (L) x 107 (H) mm] PCI bus cards.

As your PC is turned ON or OFF, the expansion chassis can also be turned ON or OFF, accordingly.

- * Specifications, color and design of the products are subject to change without notice.
- * The contents in this document are subject to change without notice.
- * Visit the CONTEC website to check the latest details in the document.
- * The information in the data sheets is as of September, 2023.

Specifications

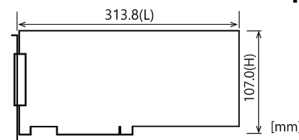
Specifications

Item	ECH-PCI-DE2-F13A
Compatible bus	PCI Local Bus Specification Rev2.2 (+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	13 slots (long size)
Acceptable card sizes (mm)	313.8(L)×107(H)
Expansion slot supplied power*(The output current must not exceed the value on the right)*	+5VDC 15A(Max) *1 +3.3VDC 19A(Max) *1 +12VDC 10A(Max) -12VDC 0.5A(Max)
Total maximum power supply	231W
Power supply	
Rated input voltage	100 - 240VAC
Range of input voltage	90 - 264VAC
AC line frequency	50 /60Hz (Input auto switching)
Current consumption *2	6.0A(110VAC) / 3.0A(230VAC)
Physical dimensions (mm)	424.0(W)×156.0(H)×373.0(L) (No protrusions)
Weight	7.5 kg
AC cable	2.5m 3P

*1 The sum of +5VDC and +3.3VDC must not exceed 105W.

*2 The amount of current consumed when supplying the expansion slot with the total maximum power supply.

Outside dimensions of acceptable card (Max.)



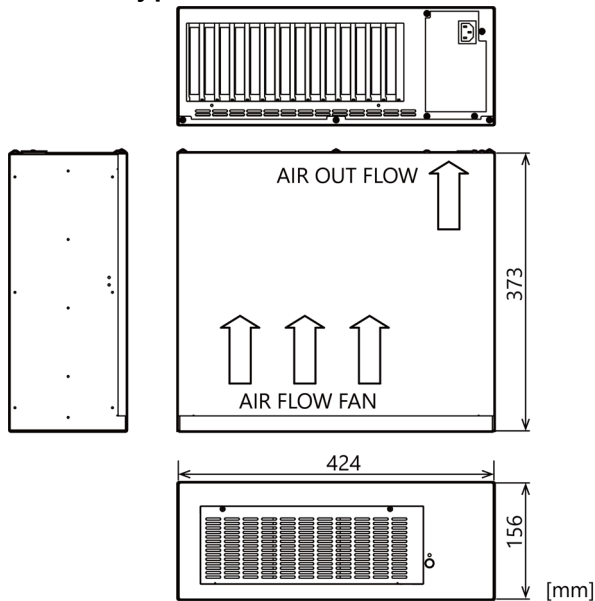
Environmental specifications

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
Line-noise resistance	Line noise AC line / ±2kV Signal line / ±1kV (IEC61000-4-4 Level 3, EN61000-4-4 Level 3)
Static electricity resistance	Contact discharge / ±4kV (IEC61000-4-2 Level 2, EN61000-4-2 Level 2) Atmospheric discharge / ±8kV (IEC61000-4-2 Level 3, EN61000-4-2 Level 3)
Vibration resistance	Sweep resistance 10 - 57Hz / semi-amplitude 0.075 mm, 57 - 150Hz/1.0G 40 min. each in x, y, and z directions (JIS C60068-2-6-compliant, IEC60068-2-6-compliant)
Impact resistance	10G, half-sine shock for 11ms in x, y, and z directions (JIS C60068-2-27-compliant, IEC60068-2-27-compliant)
Grounding	Class D grounding (previous class 3 grounding)
Standard	VCCI Class A, CE Marking (EMC Directive Class A, Low Voltage Directive, RoHS Directive), UKCA

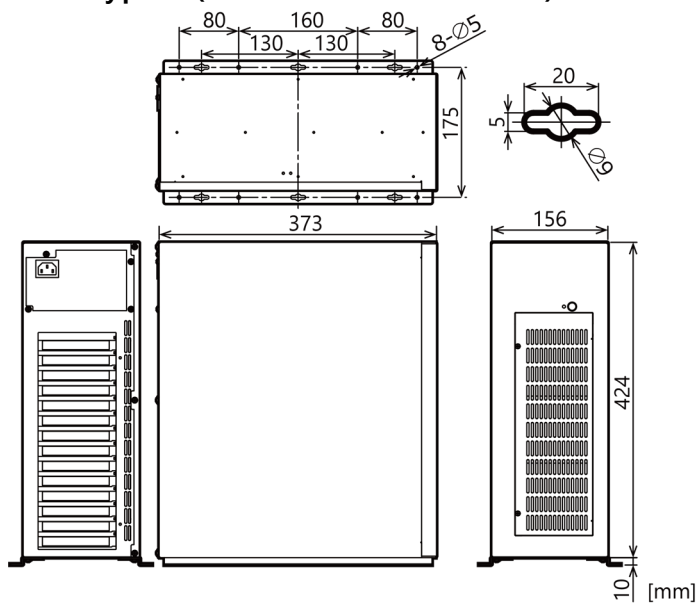
Physical Dimensions

CH-PCI-DE2-F13A

- Horizontally placed



- Vertically placed (When ECH-WM-FIX-F is attached)



CAUTION

- When using this product, keep it at least 20mm away from any object such as the wall for cooling purposes.
- Attaching rubber feet to the ECH-PCI-DE2-F13A makes it 8.8mm taller.
- When you placed this product vertically, the brackets must be used.

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-DE	Expansion chassis ECH-PCI-DE2					Expansion chassis ECH-PE-DE2
	-H4D	-H2B	-H4B	-F4B	-F13A		-H2B
EAD-DE-LPE	○*1	○	○	○	○		○

*1 The ECH-PCI-DE2-H4D has no linkage function with the PC power-ON/OFF.

Optional Products

Product Name	Model type	Description
Expansion Adapter for PCI Express Slot	EAD-DE-LPE	
Wall Mount Bracket for Expansion Chassis(Long size)	ECH-WM-FIX-F	

* Check the CONTEC's Web site for more information on the option products.

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 cards that can be used. Be sure to check the following restrictions before use.

< Restrictions of PC >

This product use the PCI-to-PCI Bridge to extend the bus. The PCI cards plugged in PCI slots in this product is 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 card 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 card >

None of the following cards can be plugged into any expansion slot in this product.

- Video display card (VGA card)
- Card to connect a PCI bus expansion chassis
- Card explicitly stated not to be used with the PCI-to-PCI Bridge

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

Differences from Conventional Products

Difference from ECH-PCI-DE-H13A

This product is a successor of the previous model ECH-PCI-DE-H13A. So you can use the same operating procedures as ECH-PCI-DE-H13A.

Item	ECH-PCI-DE-H13A	ECH-PCI-DE2-F13A
Expansion slot supplied power	+5VDC 18A(Max) *1 +3.3VDC 15A(Max) *1 +12VDC 9A(Max) -12VDC 0.8A(Max)	+5VDC 15A(Max) *2 +3.3VDC 19A(Max) *2 +12VDC 10A(Max) -12VDC 0.5A(Max)
Power Switch location		
AC inlet location		
Wall Mount Bracket	Attached	Option (ECH-WM-FIX-F)
Color	Ivory	Silver
Physical dimensions (mm)	424.0(W) x 156.0(H) x 255.0(L)	424.0(W) x 156.0(H) x 373.0(L)

*1 The sum of +5VDC and +3.3VDC must not exceed 90W.

*2 The sum of +5VDC and +3.3VDC must not exceed 105W.