

StarFabric conformity PCI Bus Expansion Chassis
Long x 2Slots with AC adaptor

ECH(PCI)SF-F2B



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

Features

- Capable of adding up to 2 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.
- Coming standard with the AC adapter.

Specification

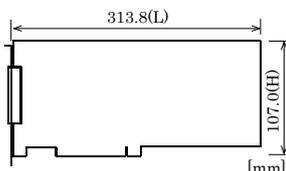
Hardware specification

Item	Specification
Compatible bus	PCI Local Bus Specification Rev2.2 (+5V type)
Address space	32-bit memory address, I/O address
Interrupt level	INTA to INTD
Bus operating clock	33MHz (Max.)
Number of user-available slots	2 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)
Outside dimensions (mm)	71.0(W) x 144.0(H) x 360.0(L) (without rubber feet)
Weight	1.6 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.)



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 SF Series].

The expansion adapter can connect the expansion chassis to the PC over a distance of up to 12m.

Environmental specification

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

⚠ CAUTION

The power supply and cooling fan in this product is consumables, requiring replacement after use for a certain period of time. Although each of the parts should be replaced after use for the following period of time in principle, the life may be shortened depending on the operating environment. Keep in mind that the lives of the parts may be extremely shortened if they are used where it is either exposed to must dirt, metal chips or particles, or dust or affected by oil or corrosive gas.

Power supply : About 5 years
(in an office environment kept at a temperature of 25°C and a humidity of 60%)

Fan : About 5 years
(in an office environment kept at a temperature of 25°C and a humidity of 60%)

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)SF								
	-H2B	-F2B	-H4B	-F4B	-H4A	-H7A	-F7A	-H13A	-F13A
EAD(CB)SF	o	o	o	o	o	x	x	x	x
EAD(LPCI)SF	o	o	o	o	o	o	o	o	o
EAD-SF-LPE	o	o	o	o	o	o	o	o	o

Expansion adapter (Option)

PCI Bus Expansion Adapter for CardBus PC-Slot : EAD(CB)SF

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

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

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

Connection cable (Option)

Connection cables (12-meter, STP-category, 5e straight cables) are bundled with the expansion adapter EAD(CB)SF, EAD(LPCI)SF. The following options can also be available:

UTP-category, 5e straight cables (3m): TP-03 *1*2

UTP-category, 5e straight cables (5m): TP-05 *1*2

UTP-category, 5e straight cables (10m): TP-10 *1*2

*1 A pair of cables are required for connection.

*2 When used in an environment susceptible to extraneous noise, UTP cables may cause link connection. It is advisable to use STP cables available on the market.

Packing List

Expansion chassis [ECH(PCI)SF-F2B] ...1

AC adapter ...1

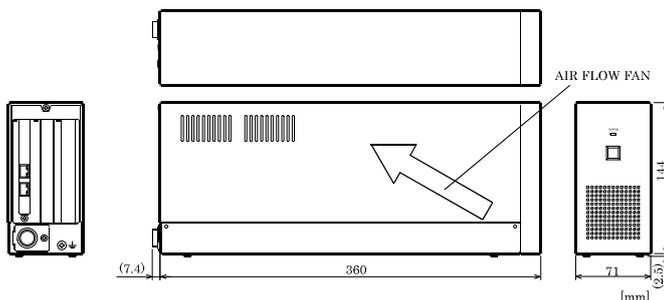
Power cable ...1

User's Manual ...1

Slot cover ...2

Board fixed screw ...2

Physical Dimensions



CAUTION

When using this chassis, keep it at least 20mm away from any object such as the wall for cooling purposes.

Restrictions

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 >

This product uses the switch fabric to extend the bus. The PCI boards plugged in PCI slots in the ECH(PCI)SF-H2B/F2B/H4B/F4B are recognized if the switch fabric is recognized as the PCI-to-PCI bridge by the BIOS in the PC used. Ask the PC vendor for whether the BIOS recognizes the PCI-to-PCI bridge.

< Restriction on power interlocking >

Power interlocking does not work well if the PCI bus slots on your PC do not conform to PCI Local Bus Specification Rev. 2.2. Ask the PC vendor for whether the PCI bus slots conform to the specification.

When power interlocking is not needed, the expansion chassis can be used without it by changing the setting of the expansion bus adapter in the chassis. For details on setting up, refer to the manual Chapter2, "Setup".

< 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 this product.

Video display board (VGA board)

Board to connect a PCI bus expansion unit

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