CH-EXP12

Expansion Chassis

The CH-EXP12 chassis allow you to increase the number of expansion slots in your desktop or rackmount IBM PC/XT/AT or compatible computer. No modification to your existing boards or software is necessary. Simply install the provided interface board in your PC and connect the chassis using the supplied cable. The CH-EXP12 is a heavy-duty rackmount chassis engineered for the tough reliability requirements of the industrial environment.

During operation, a CH-EXP12 chassis can be turned off without interrupting your software program.* This allows you to remove or make changes to your I/O boards without cycling PC power and waiting for your computer to re-boot! This can be a tremendous time-saving tool in such applications as board testing, system maintenance or troubleshooting.

* Provided your program does not access I/O boards in the expansion chassis while the chassis is turned off.

Specifications

CONSTRUCTION: 16 gauge (.059) steel; front panel is 0.125 aluminum alloy.

PASSIVE BACKPLANE: 14 full AT slots—adds 12 slots to the system (one slot is used in PC, one in chassis).

COOLING: Two 80 CFM fans in card cage area and one 40 CFM fan in power supply module.

FILTRATION: Dual, easy-access filters; washable.

DISK STORAGE: Provisions for three 5.25 in floppy drives and one 3.5 in hard drive, all mounted on shock isolators.

INDICATORS: Power Good (+5V and +12V) and HD Activity on the front panel; Power Good on the backplane.

CONTROLS: Power On, System Reset, and Key Lock on the front panel; AC line voltage selector on the rear panel.

KEYBOARD: 5-pin DIN connectors on both front and rear panels.

POWER SUPPLY

OUTPUT: 300 Watts continuous, +5VDC @ 30A, –5VDC @ 0.5A, +12VDC @ 12A, –12VDC @ 0.5A.

POWER REQUIREMENT: 90 to 135/180 to 265VAC, switch-selectable; 47–63Hz.

HOLD-UP TIME: 20ms.

SHORT CIRCUIT/OV: Short circuit and overvoltage protection on +5VDC and +12VDC lines.

SAFETY APPROVALS: UL1950 Dev 3, CSA 22.2, TÜV EN60950.

EMI/RFI: Meets FCC Class "B".

EXPANSION INTERFACE

BUS: 16-bit AT (286/386/486 and EISA-bus computers).

CABLE: 100-pin quick-disconnect, 3 feet long.

- **Adds 12 I/O slots to your present system**

- **True expansion of the 16-bit IBM PC/AT bus**

- **Quick-disconnect cable for fast and easy set-up in modular or portable systems**

- **Full DMA and interrupt mode support**

- **Completely software transparent**

- **48-hour factory burn-in and test**

Ordering Information

CH-EXP12 Rackmount Expansion Chassis

APPLICATIONS

- **Cost-effective expansion of industrial computers**

- **Connect multiple systems to a single host PC**

- **Expandable test systems**

- **Plug-in board testing**

- **Repair depots**

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