

PPX770 PCI/ISA RACKMOUNT ENCLOSURE



Advantages

The PPX770 enclosure is a rugged, versatile 19-inch rackmount 15-slot enclosure with universal power supply, positive pressure cooling system, and up to six peripheral bays. It provides flexible chassis configurations for the most exacting needs of application developers addressing worldwide telecommunication, industrial automation, and military or aerospace requirements and is ideal for environments where affordability, large drive and PCI slot count capacity are required in an industrial strength package. Highly configurable, the PPX770 features PICMG[®] compliant PCI/ISA passive backplanes and a variety of peripheral bay options.



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In addition to the two internal 3.5" drive bays, there is a 3.5" floppy drive bay and three front accessible 5.25"/3.5" half height, horizontally-oriented peripheral bays. The floppy and peripheral bays are located behind a lockable door. Power and reset switches, keyboard connector, and a speaker are standard. A wide variety of CPU boards are currently available from Motorola Computer Group.

The basic power supply is a single, 115/230 VAC, 400 watt input, PS/2 compatible supply providing, 20–28 amps at +3.3V, 24–30 amps at +5V, 14 amps at +12V, 1 amp at –5V, and 1 amp at –12V.

A positive pressure cooling system consists of two front accessible, high-reliability, 51 CFM, DC ball-bearing fans combined with a removable, washable, foam filter; and a power supply exhaust fan. These features ensure an optimal, clean airflow through the chassis to remove heat from critical system-level components.

Specifications

Dimensions

Height:	7 in. (178 mm)
Width:	17 in. (431.8 mm)
Depth:	20 in. (508 mm)
Weight:	32 lb. approx. (14.5 kg)

Construction/ Finish

Front (panel) mounting, cold-rolled steel, 16 GA/18 GA zinc-plated; front panel, polyurethane, light textured, off-white, semi-gloss coat

Backplane

15-slot:	10 PCI, one PCI/ISA CPU, four ISA
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Peripheral Bays

Internal:	Two 3.5-inch drive bays
Front Accessible:	One 3.5-inch floppy drive bay and three 5.25-inch horizontal 5.25" x 1.63" drive bays

Supervisory

Controls:	Power and reset behind the lockable security door
Monitor:	LEDs for Power ON (green) and Hard Drive Access (two, amber)
Speaker:	One

I/O

Front Panel:	Keyboard: One 5-pin DIN connector
Rear Panel:	Configurable, field-replaceable I/O panel with two DB9 and two DB25 knockouts; one AC power inlet connector

Power Supply

Output Current:	400 watt
+3.3V	20–28 A
+5V	24–30 A
+12V	14 A (continuous/peak)
–12V	1.0 A
–5V	1.0 A
Input Voltage:	400 watt; 90 to 132 VAC, 180 to 250 VAC, 47 to 63 Hz
Reliability:	MTBF greater than 100,000 hours

Thermal Management

Positive pressure, forced air with two 51 CFM, DC ball-bearing fans
Power supply exhaust fan
Removable, washable, foam filter (30ppi filtration)

Environmental

(verification pending)

	Operating	Storage/Transit
Temperature:	5° C to +50° C	–40° C to +60° C
Humidity (NC):	5% to 95% @ 40° C	5% to 95% @ 40° C
Altitude:	15,000 ft. (4572 m)	50,000 ft. (15,240 m)
Shock:	10 Gs maximum at 11 ms duration, 3-axis	
Vibration:	0.25 G maximum, 10 to 250 Hz, 3-axis	

Regulatory Compliance

Meets or exceeds the following (verification pending):

Safety:	CSA NRTL/C, VDE EN60950, CE Mark per European Low Voltage Directive 72/23/EEC
EMC:	U.S.: FCC Part 15, Subpart B, Class A Canada: ICES-003, Class A Europe: CE Mark per European EMC Directive 89/336/EEC with Amendments; Emissions: EN55022 Class A; Immunity: EN50082-1

Ordering Information

PPX770-P10	15-slot PCI/ISA backplane, two internal drive bays, three front accessible 5.25-inch drive bays plus 3.5-inch floppy bay, 400W AC power supply
PPXRAILS-01	Slide rails, 24-inch



For more information, visit our World Wide Web site at <http://www.mcg.mot.com>

To call us dial 1-800-759-1107 in the U.S. and 512-434-1526 outside of the U.S.

Corporate headquarters address: Motorola Computer Group, 2900 S. Diablo Way, Tempe, AZ 85282

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