

# MCH-202

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### 19" 4U Industrial Rack-mount Chassis Series



#### Introduction

The MCH-202 is a 19" rack-mount chassis featuring a passive backplane with choice of configurations -- 12-slot ISA, 14-slot PICMG (8 ISA/4 PCI/2 PICMG) or 2X PICMG (2 segments, each segment containing 2 ISA/3 PCI/1 PICMG slots). The MCH-202 is constructed with heavy-duty steel and meets the EIA RS-310C standard. It includes a standard 300W AC power supply that is UL, CSA, TUV, CE certified.

The MCH-202 contains two high-speed cooling fans and three easy-to-maintain drive bays, for two half-height 5.25" and one half-height 3.5" disk drives. The disk drives are safely protected from dirt, dust and other hazardous particles by a lockable front door panel. Behind this lockable door is a keyboard connector for attaching any standard IBM/AT style keyboard.

The MCH-202 may be configured as an industrial 19" rack-mount or placed on a desktop by removing the chassis handles for ruggedized commercial applications. The MCH-202 is available with a standard 300W AC power supply, optional redundant -- with (2) 230W AC hot swappable, 24VDC, or -48VDC power supplies.

The MCH-202 is available in a wide range of systems, including slot board computer, DRAM, hard drives, and video upgrades. For detailed information, please refer to MITAC's Configuration Guide.

#### Features

- 19" Rugged steel chassis meets the EIA RS-310C standard.
- Passive backplane with choice of 12-slot ISA, 14-slot PICMG (8 ISA/4 PCI/2 PICMG) or 2X PICMG (2 segments, each containing 2 ISA/3 PCI/1 PICMG slots).
- Standard 300W AC power supply, optional redundant -- with (2) 230W AC hot swappable, 24VDC, or -48VDC power supplies.
- Easy-to-maintain disk drive bays that allow mounting of two half-height 5.25" and one half-height 3.5" drives from the front panel. Lockable door for protecting disk drives against dust.
- One AT keyboard connector behind the lockable front door and another one at the rear of the chassis.
- Reserved ports for 9-pin and 25-pin D-type connectors at the rear of the chassis.
- Power-on switch with power indicator and reset switch behind the lockable door. Hard disk LED indicator and DC power indicator.
- Two cooling fans which dissipate heat in the chassis. Replaceable and easy-to-clean fan filters.

## Specifications

Physical Dimensions (L x W x H)	19 inch x 17.4 inch x 7 inch (462.6mm x 441.8mm x 177.8mm)
Net Weight	38.6 lbs. (17.5 Kg)
Construction	Heavy-duty steel
Cooling Fan	Two 70 CFM fans with dust filter at the front panel (input) <b>Dimensions:</b> 120mm x 120mm x 25mm
Disk Drive Bay	Shock-resistant, protecting disk drives against vibration. Capable of housing up to three half-height disk drives which are accessible from the front panel
Add-on Card Bridge and Card Clamp	Flexible card clamp can protect add-on cards from vibration
Display Indicator	Power illuminated HDD LED indicator
Switches	Power on/off switch Reset switch
Connectors	<b>Front Side:</b>

Connectors (cont.)	1 AT keyboard connector <b>Rear Side:</b> 1 Keyboard connector Reserved ports for two 9-pin connectors and one 25-pin connector
Operating Temperature	0 - 55° C (32 - 131° F)
Storage Temperature	0 - 75° C (32 - 167° F)
Operating Humidity	5 - 95%, non-condensing
Storage Humidity	5 - 75%
Altitude	10,000 ft (3000m)
Vibration (operating)	1.5G Max. and 0.1" P-P at 5 to 640 Hz
Shock	10G peak acceleration (10 ms duration)
MTBF	50,000 hours
Safety	UL, CSA, and TUV approved
EMI	FCC Class A, CISPR 22
CE	EN 50081-2 EN 50082-1 EN 60950

Power Supply	300W AC	230W AC Redundant	250W DC -48V	250W DC 24V
AC Rated Input: (Max.)	AC 115V/ @7A, AC 230V/ @4A, Switchable	AC 115V/ @6A, AC 230V/ @3A, Switchable	DC -40V~-57V/ @8A	DC 20V-28V/ @2A
AC Rated Output: (Max.)	AC 115V/ @1A, AC 230V/ @0.5A, Switchable	N/A	N/A	N/A
AC Rated Frequency	47-63Hz	47-63Hz	N/A	N/A
DC Output +5V (Max.)	23A	30A	25A	25A
DC Output +12V (Max.)	15A	14A	10A	10A
DC Output - 5V (Max.)	0.1A	0.5A	1A	0.5A
DC Output - 12V (Max.)	0.5A	0.5A	1A	0.5A



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