

**10-Slot  
Bench/Wall  
Mount Industrial  
Chassis**



## Introduction

The MCSI Model 9100 Industrial Bench/Wall Mount Chassis is ideally suited for users who require a ruggedized chassis for use in harsh, space conscious, unattended applications. Typical applications for the Model 9100 include factory automation, telecommunications, data acquisition, process control, medical instrumentation and intelligent terminals.

The Model 9100 includes an ISA compatible multilayer passive backplane designed to be used with standard plug-in CPU, display, and I/O adapter boards. The backplane supports up to 10 full length PC/AT or PC/XT plug-in boards (Optional ISA/PCI backplane). A card hold-down bracket insures that both PC/AT and PC/XT cards remain seated in high shock and vibration applications. The drive bay supports up to three half height or two full height 3.5" drive devices, and comes standard with a 3.5" floppy disk drive installed. Each drive is individually shock mounted for rugged applications. A 32CFM cooling fan with removable filter is provided for the main chassis and circuit board areas. The Model 9100 includes a 250 Watt switching power supply with an internal cooling fan and switch selectable 115/230 VAC operation.

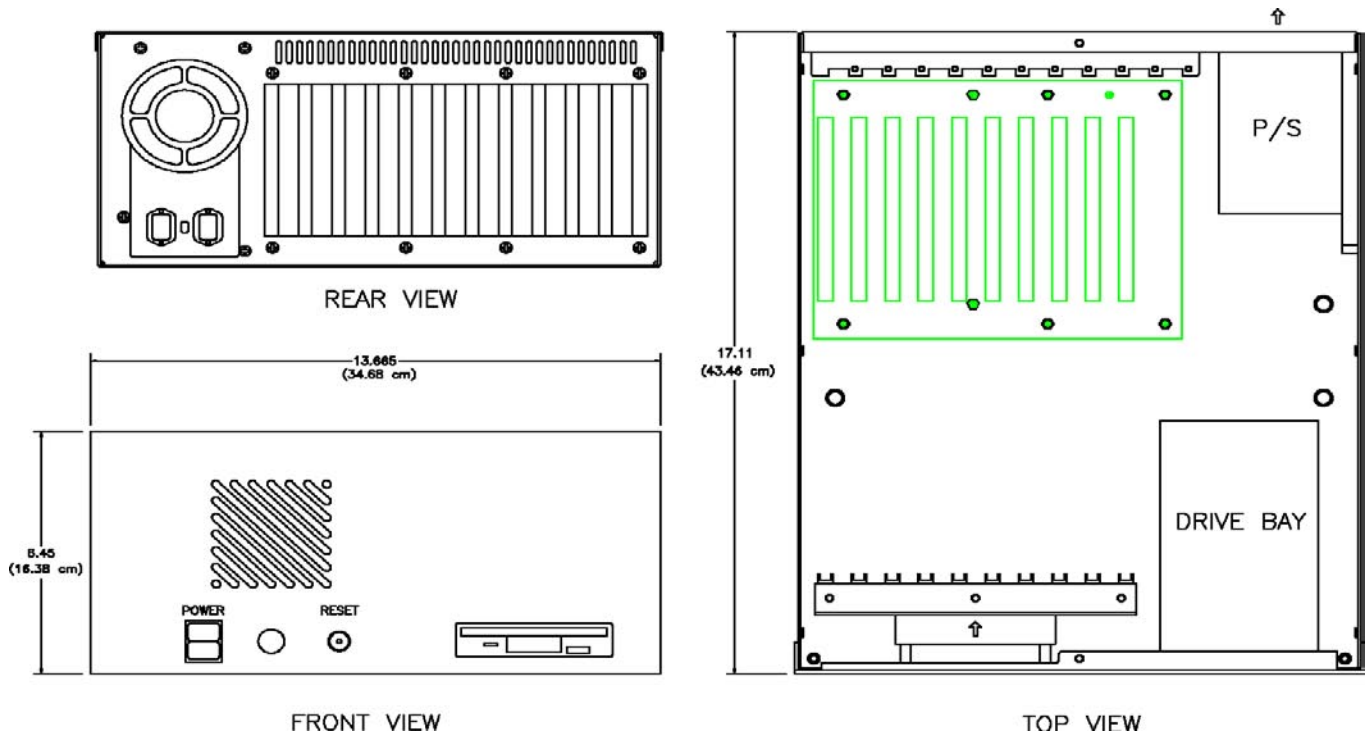
For flexibility, the Model 9100 chassis can be configured with any of the MCSI All-In-One full or half sized CPU boards with or without disk emulation. The 16 gauge steel construction chassis minimizes EMI/RFI interference from surrounding equipment.

## Features

- 10-Slot PC/AT Compatible Passive Backplane
- Optional ISA/PCI Passive Backplane
- Supports Three 3.5" Floppy Disk Drives
- Individually Shock Mounted Drives
- Includes 32 CFM Cooling Fan with Removable Filter
- 250 Watt Power Supply with Internal Cooling Fan
- 16 Gauge Reinforced Steel Construction
- Switch Selectable 115/230VAC Operation
- Bench Top or Wall Mount
- Front Control Panel Includes: Power Switch, Reset Switch, and Keyboard Connector
- Adjustable PCB Hold Down Clamps Accommodate Both PC/AT and PC/XT Board Heights
- Includes 3.5" 1.44MB Black Floppy Drive installed

# 9100 Chassis

## Technical Drawing



## Power Supply

Power Supply: 250 Watt, AC  
Input: 90 VAC to 265 VAC  
Output: +5VDC@25A  
-5VDC@0.5A  
+12VDC@10A  
-12VDC@0.5A  
Safety Approvals: UL 1950 Dev.3  
CSA 22.2 No.234  
VDE 0871 Class 'B'  
TUV EN60 950  
EMI Requirements: FCC Class 'B'

## Backplane Capacity

Supports 10 Full or Half-Size ISA/PCI Cards.

## Drive Devices

(3) 3.5"

## Temperature

Operating Temperature: 0°C to +70°C  
Storage Temperature: -50°C to 85°C

Humidity: 5 to 95%, Non-Condensing

## Weight

18lbs (8.16Kgs)

## Dimensions

17.1"D x 6.5"H x 13.67"W.

## Construction

16 Gauge Reinforced Steel.

## MTBF

>100,000 Hours

## Options

-48VDC Input / 250 Watt Power Supply  
24VDC Input / 250 Watt Power Supply  
115/230VAC / 300 Watt Power Supply

## Ordering Information

The 9100 Chassis can be ordered in the following configurations:

72200	10-Slot Chassis, ISA backplane, 1.44M FDD, & 250W P/S
72210	10-Slot PCI Chassis, PCI/ISA backplane (4ISA/1CPU/4PCI), 1.44M FDD, & 250W P/S