

## Specification Sheet

### **MZC 3000 Zone Controller for ASTRO®25 system operation**



The Motorola MZC 3000 Zone Controller builds upon the strength and experience of Motorola Wide Area Trunking Systems to deliver multiple layers of reliability for business critical, mission critical and life critical applications.

#### **COMPACT PERIPHERAL COMPONENT INTERCONNECT (COMPACTPCI)**

The CompactPCI platform is leading edge technology that allows systems to mature with the technology.

- Provides the combination of high performance and industry standards to the embedded marketplace.
- Designed for organizations targeting the goal of reducing system downtime.
- PCI Industrial Computer's Manufacturer's Group (PICMIG) develops standards for PCI-based systems and boards.
- Flexibility of platform allows upgrades of software and hardware over time usually without replacing the entire controller.

#### **GREATER PRODUCTIVITY (REDUNDANT CONFIGURATION)**

##### **Enhanced System Availability:**

The MZC 3000 allows software upgrades once loaded – to be operating in less than two minutes – providing enhanced system availability.

##### **Intelligent Switchover:**

The Redundant Configuration provides automatic switchover to the standby controller if a loss of wide area communications is detected. Notification can be sent to the user if other components fail, allowing the user to manually switch to the standby controller if desired.

##### **Cross Controller Compatibility:**

Capable of running two different versions of software simultaneously, ensuring that upgrades are fully functional with one controller before upgrading the second controller.

#### **REDUNDANT CONFIGURATION**

The Redundant Zone Controller is a computer platform with redundant-processors that provide trunking call processing for ASTRO®25 wide area radio communication systems. The Redundant Zone Controller is designed to detect failures by automatically switching operation to the standby controller, minimizing interruption of call processing functionality.



*Fig: MZC 3000 Zone  
Controller Redundant  
Configuration*

## GENERAL SPECIFICATIONS

### Redundant Zone Controller

<b>Performance</b> (CPU's and Memory)	Two CPU's @ 440 MHz/512 MB per Zone Controller
Chassis	All steel body Recessed card cage Four front-accessible drive bays per chassis
Ethernet Card	Data Transfer: 32- or 64-bit data, 32-bit address at 33 MHz PCI
<b>Operating System</b>	Solaris™
<b>AC Input Power Requirements</b>	Redundant ZC: Four Main Connections: 8 Amps @ 110 VAC or 4 Amps @ 220 VAC 50Hz-60Hz Non-Redundant ZC: Two Main Connections: 4 Amps @ 110 VAC or 2 Amps @ 220 VAC 50Hz-60Hz
<b>Physical Characteristics</b>	216 cm (85 in) h x 60 cm (24 in) w x 60 cm (24 in) d (43 Rack Units for equipment)
<b>Environmental</b>	
Operating Temperature	5° to 35° Celsius (41°-95°F)
Altitude	0-10,000 feet
Operating Humidity	10%-90% at 35° Celsius (95°F)
Non-operating Humidity	5%-95%
<b>Weight</b>	385 pounds (175 kg)
<b>Standards</b>	FCC and CE

*Specifications subject to change without notice*



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