1.1 General Information

The MIC-3463 is a 6U-sized CT backplane that provides five Compact-PCI slots. One slot is assigned to the CPU board and four slots to the peripheral boards. The MIC-3463 supports front and rear I/O wiring, providing simplified system cabling. The backplane also complies with PICMG 2.5 Computer Telephony Specification, providing H.110 CT bus on the P4 connectors.

The MIC-3463 provides a 6-pin connector for connecting up to 4 cooling fans. A 20-pin connector can be used for connecting an external alarm module (MIC-3920/MIC-3921) to detect the system internal conditions, such as bus voltages, fan speed, and tempera-tures. In order to provide users with a flexible system configuration, the MIC-3463 includes two standard ATX power connectors to accpet up to two ATX power supplies.

The MIC-3463 complies with PICMG 2.1 Hot-Swap Specification, providing full hot-swapping capability. Users can build a hot-swap system using hot-swap plug-in boards and software.

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1.2 Features

- Front and rear I/O supports
- H.110 CT bus compliant (PICMG 2.5)
- Five 32-bit CompactPCI slots (64-bit upon request)
- Complies with PICMG 2.1 Hot-Swap Specification
- Accepts up to two ATX power supplies
- Alarm module interface
-   Fan interface

1.3 Specification

· Five CompactPCI slots (one system slot and four peripheral slots)

· Front and rear I/O supports

· Bus width: 32-bit (64-bit upon request)

· 8-layer PCB, 3.0 mm thick

· Separate power and ground planes

· Power connectors: Two ATX power connectors for connecting standard ATX power supplies

· 20-pin connector for MIC-3920/MIC-3921 alarm board signals

· Complies with CompactPCI Specification PICMG 2.0, Ver.2.1

· Complies with CompactPCI Hot Swap Specification PICMG 2.1, Ver.1.0
· Complies with Computer Telephony Specification PICMG 2.5, Ver.1.0
· V I/O Voltage: 3.3 V or 5 V, jumper selectable
· Logic Ground and Chassis Ground can be isolated or common
· Dimensions: 122 x 262.2 mm
· Operating temperature: -40 ~ 80°C (-40 ~ 176°F)