

1.1 General Information

The MIC-3462 is a 6U-sized CT backplane that provides eight CompactPCI slots. One slot is assigned to the CPU board and seven slots to the peripheral boards. The MIC-3462 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-3462 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 system internal conditions, such as bus voltages and fan speed.

In order to provide users with a flexible system configuration, the MIC-3462 includes two standard ATX power connectors to accept up to two ATX power supplies.

The MIC-3462 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)
- Eight 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

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1.3 Specification

- 8 CompactPCI slots (one system slot and 7 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: 18305 x 262.2 mm
- Operating temperature: -40 ~ 80°C (-40 ~ 176°F)