

MIC-3042

4U CompactPCI® Enclosure with cPCI Power Supply (CT Bus or PICMG 2.16)



Features

- 8-slot 6U CompactPCI® backplane
- AC or DC cPCI 500 W + 250 W redundant (2+1) power supplies
- PICMG 2.16 (CompactPCI Packet Switching Backplane) compliance
- PICMG 2.5 (CompactPCI Computer Telephony) compliance
- Built-in alarm module (MIC-3924L-AE)

Introduction

The MIC-3042 is a 4U enclosure designed for standard cPCI power supplies. It is equipped with a cPCI 500 W redundant 2+1 power supply with hot-swap support. The system has 8 slots for CompactPCI boards and 6 slots for IEEE 1101.11 rear I/O transition boards. The MIC-3042 comes with a built-in high quality backplane that supports 64-bit / 66 MHz PCI cards. The standard configuration includes a H.110 CT Bus that complies with PICMG 2.5, which is the open architecture used to build telecom solutions.

Specifications

| | | MIC-3042A | MIC-3042B | | |
|--------------------------|--|--|---|--------------------------|-------|
| Backplane | 6U slot | System x 1, Peripheral x 4, Switch x 1, Rear transition x 6 (80 mm, IEEE1101.11 compliant) | System x 1, Peripheral x 4, Media x 1, Rear transition x 6 (80 mm, IEEE1101.11 compliant) | | |
| | Blade Server Support | Yes | - | | |
| | Bus | Up to 64-bit/66 MHz PCI bus | | | |
| | H.110 CT Bus | Yes | Yes | | |
| | V (I/O) | +3.3 V/+5 V (selectable) | | | |
| Cooling | Fan | 2 (front: 193 CFM, rear: 61.3 CFM) | | | |
| Power Supply | Input | AC 100 ~ 254 V @ 50 ~ 60 Hz, full range (MIC-3042X-A) or DC -48 V (TYP), -36 ~ -72 V range (MIC-3042X-D) | | | |
| | Output | AC or DC cPCI 250 W redundant power module | | | |
| | | +3.3 V | +5 V | +12 V | -12 V |
| | Max. Load | 36 A | 50 A | 10 A | 1 A |
| | Min. Load | 0 A | 2.0 A | 0 A | 0 A |
| Environment | | Operating | Non-Operating | | |
| | Temperature | 0 ~ 45° C (32 ~ 113° F) | -20 ~ 60° C (-4 ~ 140° F) | | |
| | Humidity | 20 ~ 90% @ 40° C, non-condensing | 10 ~ 95% @ 40° C, non-condensing | | |
| | Shock | 10 G | 30 G | | |
| | Vibration (5 ~ 500 Hz) | 1.0 Grms | 2.0 G | | |
| Physical Characteristics | Dimensions (W x H x D) | 440 x 177 x 320 mm (17.3" x 7" x 12.6") | | | |
| | Weight | 18 kg (39.7 lb) | | | |
| Reliability | MTBF | Backplane | Fan module | Power supply | |
| | | 800,000 hours | 50,000 hours @ 25 °C | 100,000 hours @ 70% load | |
| Serviceability | MTTR | 5 minutes | | | |
| Compliance | PICMG 2.0 R3.0 CompactPCI Specification PICMG 2.1 R2.0 CompactPCI Hot Swap Specification PICMG 2.5 R1.0 CompactPCI Computer Telephony Specification PICMG 2.11 R3.0 Front-Access Power Connectors Specification PICMG 2.16 R1.0 CompactPCI Packet Switching Backplane Specification (MIC-3042B is not compliant with PICMG 2.16) RoHS, CE, FCC, UL, CCC | | | | |

Backplane Information

| Physical Number | Function |
|-----------------|-------------|
| 8 | Switch slot |
| 7 | I/O slot |
| 6 | I/O slot |
| 5 | I/O slot |
| 4 | I/O slot |
| 3 | I/O slot |
| 2 | I/O slot |
| 1 | System slot |

MIC-3042A, CT backplane (for MIC-3042A series)

| Physical Number | Function |
|-----------------|------------------|
| 8 | I/O slot |
| 7 | I/O slot |
| 6 | I/O slot |
| 5 | I/O slot |
| 4 | I/O slot |
| 3 | I/O slot |
| 2 | System slot |
| 1 | Media blade slot |

MIC-3042B, CT backplane (for MIC-3042B series)

Recommended Configurations

| Enclosure | CPU Board | Rear I/O Board | Chassis Management Module | |
|--------------|-----------------------------|-----------------------------|---------------------------|--|
| MIC-3042AE | MIC-3369C-MxE | RIO-3309C-AE, RIO-3309S-A2E | Included MIC-3924L-AE | Optional MIC-3924A-BE MIC-3927AE |
| MIC-3042A-AE | MIC-3358A-MxE | RIO-3309C-AE, RIO-3309S-A2E | | |
| MIC-3042A-DE | MIC-3390E, MIC-3390-AE | RIO-3310S-A2E | | |
| | MIC-3392A-ME, MIC-3392B-MxE | | | |
| MIC-3042BE | MIC-3369C-MxE | RIO-3309C-AE, RIO-3309S-A2E | | |
| MIC-3042B-AE | MIC-3358A-MxE | RIO-3309C-AE, RIO-3309S-A2E | | |
| MIC-3042B-DE | MIC-3390E, MIC-3390-AE | RIO-3310S-A2E | | |
| | MIC-3392A-ME, MIC-3392B-MxE | | | |

Ordering Information

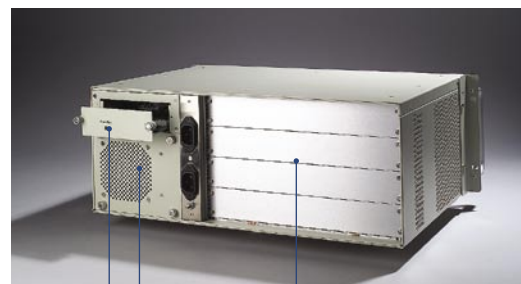
| Part Number | PICMG 2.16 | PICMG 2.5 | PCI | Switch Board Support | Media Blade Support | Chassis Management Module | cPCI Power Supply |
|--------------|------------|-----------|-----|----------------------|---------------------|---------------------------|---------------------------------------|
| MIC-3042AE | Yes | Yes | Yes | Yes | - | MIC-3924L-AE | - |
| MIC-3042A-AE | Yes | Yes | Yes | Yes | - | MIC-3924L-AE | AC cPCI 500 W + 250 W redundant (2+1) |
| MIC-3042A-DE | Yes | Yes | Yes | Yes | - | MIC-3924L-AE | DC cPCI 500 W + 250W redundant (2+1) |
| MIC-3042BE | - | Yes | Yes | - | Yes | MIC-3924L-AE | - |
| MIC-3042B-AE | - | Yes | Yes | - | Yes | MIC-3924L-AE | AC cPCI 500 W + 250 W redundant (2+1) |
| MIC-3042B-DE | - | Yes | Yes | - | Yes | MIC-3924L-AE | DC cPCI 500 W + 250 W redundant (2+1) |

Accessories

| Part Number | Description |
|-------------|---|
| 1757000190G | One AC cPCI 250 W redundant power module (included) |
| 968A390002 | MIC-3924A-BE intelligent chassis management module |
| 968A390022 | MIC-3924L-AE alarm module (included) |
| 968A390032 | MIC-3927AE intelligent chassis management module (IPMI) |



LED board
Hot-swappable 193-CFM fan module
AC or DC cPCI 500 W + 250 W redundant (2+1) power supplies



Built-in alarm board (MIC-3924L-AE)
Hot-swappable rear fan
Supports IEEE 1101.11 rear I/O transition boards