

CompactPCI Fault Tolerant Chassis

FTC610



- PICMG 2.0 R 3.0
- 1 Processor Slot and 7 Expansion Slots
- Standard Floppy and CD-ROM Drive Carrier; Up to Four 3U 3.5" x 1" SCA SCSI Drive Carriers; Two 3.5" x 1" IDE Internal Drive Bays
- Front Panel LEDs
- Front Accessible 270 CFM Hot-Swap Fan Tray
- 350 W AC or DC, N+1 Power Supply System
- UL and FCC Certified
- 14" H x 18.2" W x 14.5" D

SPECIFICATIONS:

CONSTRUCTION

- 14, 16, and 18 Gauge Steel
- Painted Exterior Surfaces (Gray or Beige Polyurethane Standard)
- Plated Interior Surfaces

DIMENSIONS

- Height - 14" (8U)
- Width - 19" Overall
- Depth - 14.5"
- Weight - 45 lbs. (typical)

ENVIRONMENTAL

- 0 - 50° Celsius Ambient Temperature Operation

POWER SUBSYSTEM

- Autosensing AC or -48V DC Input
- 350W
- N+1 Redundancy

COOLING SUBSYSTEM

- 270 Total CFM
- Optional Rear Fans (80 CFM)
- Speed Monitored Fans (Front Only)
- Hot-Swap Fan Tray
- Easily Serviced Air Filters
- Front and bottom Intake, Top Exhaust

DRIVE SUPPORT

- Supports one 1.44MB Floppy and one 5.25" Drive
- Internal Support of up to two hard drives
- Supports up to four SCA SCSI Drives

COMPACT PCI SUPPORT

- PICMG 2.0 R 3.0
- Eight Slot Card Cage
- 2.4" (12HP) Processor Slot
- Seven Useable 6U Expansion Slots
- CompactPCI Computer Telephony 2.5 R 1.0 Compliant
 - P3 and P5 Connectors Include Type AB Rear Shrouds
 - Inputs for Telecom Power Supply Bus
- CompactPCI Hot-Swap 2.1 R 2.0 Compliant
 - Basic Support

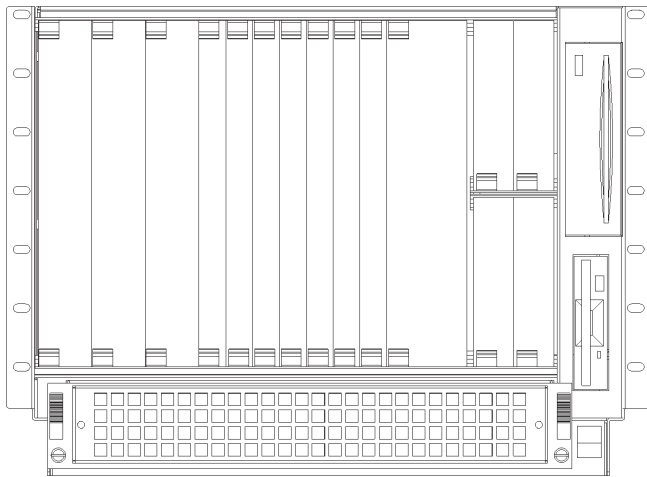


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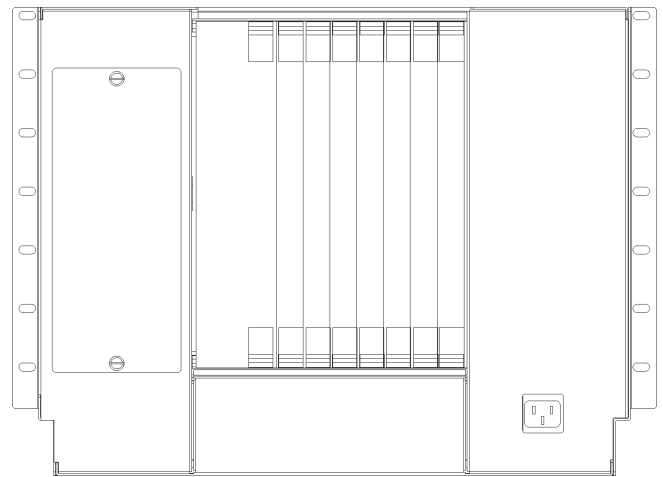
www.dtims.com

1.800.443.2667

Front



Rear



The FTC610 is DTI's latest industrial CompactPCI platform. It provides fault tolerant support for a complete system comprising power, drives, cooling, and a card cage. The FTC610 is designed for mounting in standard 19" equipment racks.

The FTC610 is manufactured primarily out of steel. All surfaces are painted or plated for corrosion resistance. The standard color is beige, although custom colors or paint schemes can be provided. The system is 14 inches or 8U in height, 19 inches in overall width, and 14.5" in depth. Typical weight of a configured FTC610 is 45 pounds. Flanges are provided for mounting the FTC610 in a rack.

The FTC610's power subsystem is designed to support a variety of configurations to meet a wide range of applications. Input to the power subsystem can be 110 to 220 volt AC or -48 volt DC. The power subsystem is made up of 350 watt modules. A second module can be added to provide N+1 Redundancy. Each power module incorporates a front panel power fail indicator.

The FTC610's cooling subsystem is designed to efficiently cool the system under adverse conditions and be easily maintained. A total of 270 CFM of air is moved by the fans. Fans for

the rear cards are optionally available and provide 80 CFM of air. The fans are mounted in a tray that is hot swappable and can be pulled directly out the front of the chassis. The rotational speeds of all the fans are monitored. If a fan drops below a programmable trip point an alarm is reported. Air is typically drawn in from the front of the chassis and exhausted out the top. All intake air is filtered through easily replaced and cleaned filter elements.

The FTC610 supports a large number of drives. The standard configuration has one slot which supports one 1.44MB floppy drive and one IDE CD-ROM. Four SCA SCSI devices are supported for hot-plug devices in the front of the unit. Two internal drives are also available with an optional kit.

The FTC610's CompactPCI card cage supports eight slots. The standard backplane provided with the FTC610 has slots for a processor module, seven CompactPCI expansion cards, three power supplies, and four SCA drives. The processor slot is 2.4 inches wide to allow for advanced CPUs with proper heat sinks. The expansion slots are all 6U in height. The backplane incorporates support for the CompactPCI Computer Telephony Specification (and therefore ECTF H.110) at all seven expansion slots.

P3 and P5 connectors at each slot include long tails and type AB rear shrouds. Inputs are also provided for telecom power supply bus connections. The backplane is also designed to provide proper isolation for hazardous voltages. Provisions are also included for support of Basic level CompactPCI Hot Swap.

DTI also offers several 6U CompactPCI processor cards for use in the FTC610. The processor cards typically include interfaces such as 10/100 ethernet, ultra-wide SCSI, video, EIDE, floppy, parallel, and serial ports. Provisions are made for cabling to the processor card through the rear of the FTC610 via a transition card. Contact DTI Sales for details.



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