

## Features

- ✓ Off-the-shelf, cPCI open-system environment for fast and flexible deployment
- ✓ High-density, hot-swappable NEBS-compliant design
- ✓ Highly modular and scalable design provides a maximum concentration of processing power and line interface density
- ✓ Occupies the minimum amount of rack space while still accommodating future expansion requirements
- ✓ All hardware elements are redundant and can be replaced in the field without service interruption for "five nines" operation
- ✓ N+1 hot-swappable power up to 600W per chassis element
- ✓ N+1 hot-swappable cooling for operating temperatures up to 50°C
- ✓ 16-slot, fault-tolerant, 10/100T, switched architecture with ECTF H.110 TDM bus

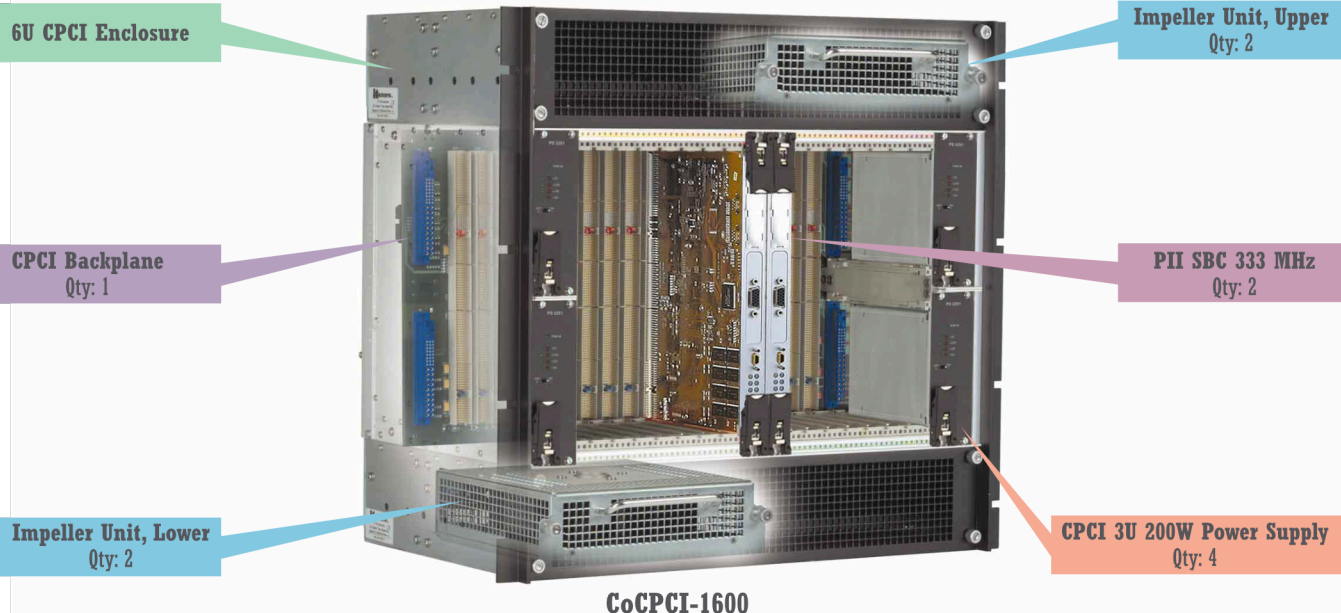
The CoPCI-1600 is a CompactPCI central office platform, designed using IT Enclosures standard system elements. This system supports fast deployment of high-density packet-based gateways, routers, servers, switches, and other telecommunications and telephony products.

Based on the CompactPCI open-system architecture, the CoPCI-1600 provides a highly redundant fault-tolerant operating environment.

The CoPCI-1600 platform meets the rigors and compliance requirements of carrier-grade voice and data networks. It allows for the use of proprietary software, running on industry standard operating systems, deployed with proprietary or off-the-shelf line application cards to meet rapid deployment and network build-out requirements.

The CoPCI-1600 System includes the following standard IT Enclosures system elements:

- Two CPUs including Pentium® processor cards with backplane connections to PCI, Ethernet, and H.110 buses.
- Two 20-port hub cards with connections to each card slot and rear 10/100 ports.
- A 6U subrack including a segmented and redundant backplane.
- Four 200W, load-sharing 3U hot-swappable redundant power supplies deliver 600W of online power and 200W of standby power.
- 2U upper thermal management unit with hot-swappable impellers providing rear exhaust air flow.
- 2U lower thermal management unit with hot-swappable impellers and Bell Core dust filters providing front-entry air flow.



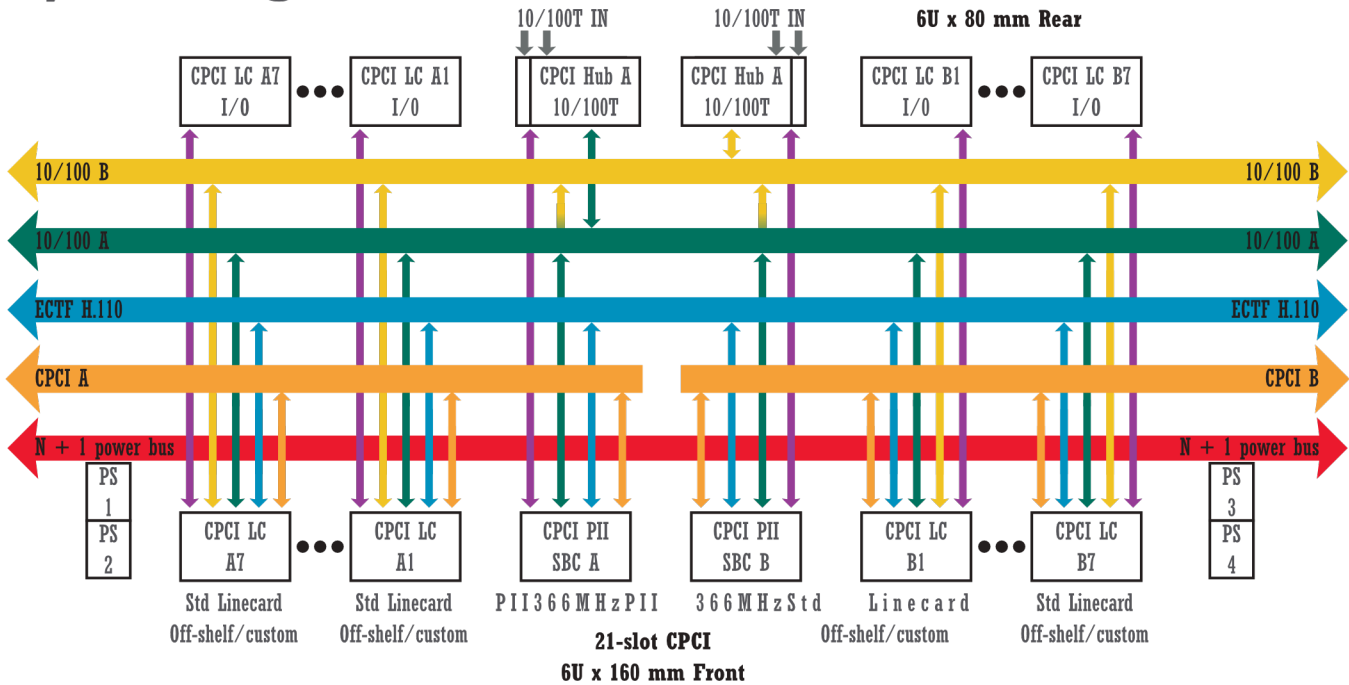
# Specifications

<b>Physical</b>	<b>Height:</b> 10U (17.50 in./359.45 mm) <b>Width:</b> 19 in./390.26 mm IEC rack-mount <b>Depth:</b> 11.75 in./241.35 mm (rack-mount to rear)	<b>Bus Architecture</b>	See System Diagram below. <b>J1/J2:</b> 2 separate 8-slot CPCI 32/64-bit <b>J3:</b> Feedthrough <b>J4:</b> ECTF H.110 <b>J5:</b> Custom, redundant, 10/100T LAN
<b>Environmental</b>	<b>Input Power:</b> -48 VDC nominal (-36 to -72 VDC); AC available as an option <b>Power:</b> 600W online; 200W hot standby <b>Temperature:</b> Operating—32° to 122°F/0° to 50°C Storage—14° to 158°F/-10°C to 70°C <b>Weight:</b> 57 lbs/26 kg <b>Humidity:</b> 5 to 95% non-condensing	<b>Mechanical</b>	IEEE 1101.10 Compliant Designed to meet the requirements of UL, CSA, FCC, NEBS G4 1089 Core & GR63 Core, and CE.
<b>Slot Configuration</b> (21-slot CPCI format)	<b>Front module:</b> Accepts 6U x 6.3 in./160 mm CPCI <b>Rear module:</b> Accepts 6U x 3.1 in./80 mm CPCI	<b>Ordering Information</b>	Contact IT sales for ordering information

# Applications

- ✓ VOIP Gateway
- ✓ Satellite IP Gateway
- ✓ IP PBX
- ✓ ISP/ASP Server
- ✓ PSTN-to-Broadband Gateway
- ✓ Edge Router/Concentrators

# System Diagram



**ISO 9001 Certified**

**IT Enclosures, Incorporated** • 7622 Rickenbacker Drive • Gaithersburg, MD 20879  
Tel: (301) 548-0800 • Fax: (301) 548-0885 • E-mail: [itsales@itenclosures.com](mailto:itsales@itenclosures.com) • WWW: [www.itenclosures.com](http://www.itenclosures.com)



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