

MIT OPTO-ISO PATCH PANEL



The Leader in Optical Isolation Technology!

CBM of America Inc. is very pleased to announce another new member of its family of "Opto-Iso Patch Panel Protection" products. In addition to protecting central office network elements that are connected to Lucent Technologies CO/SAM's and Cisco router asynchronous connections, the new CBM Multi-Mode IsoTranslation (MIT) Opto-Iso patch panel can now provide optical isolation for high density asynchronous/synchronous interfaces such as RS530, V.35, and RS232.

The new MIT Opto-Iso patch panel protects CO network elements that are connected to the widely used Applied Innovation AI-180 Switch, Cisco 2600/3600 router and Lucent Technologies 5E switch.

The MIT Opto-Iso patch panel, not only optically isolates, but also provides a translation function which allows for switch selectable input and output

device interfaces. For example, the MIT card can be easily jumpered so that an input interface such as RS232 can be translated to output a V.35 interface, RS530 or any of a multitude of supported interfaces. This functionality provides great flexibility and allows for a wide variety of toll and switch network elements to be shared and protected by a single Opto-Iso patch panel.

CBM designed the Opto-Iso patch panel to address the problem of ground plane violations which are caused when network elements, such as switch and toll elements, share the same patch panel, but are using separate power/ground sources. This situation violates the isolated ground plane and creates a potential for ground loop surges, which can cause intermittent problems, and in some cases, extensive damage to the attached network element.

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Multi-Mode Iso Translation (MIT) Opto-Iso Patch Panel



Universal CO Chassis (rear view)

DESIGNED FOR EXPANDABILITY

- Each Universal CO Chassis (UCC) supports up to twenty individually isolated MIT cards.

ENSURES FOR MAXIMUM PROTECTION

- Each MIT module provides up to 1000 volts of port to port isolation.

PROVIDES WIDE TRANSLATION FLEXIBILITY

- Each MIT module's input and output interfaces are individually configurable to support the following interface standards.

V.35, V.36 RS232, RS530, RS422, RS449

SUPPORTS HIGH TRANSFER DATA RATES

- The MIT module can support data rates of up to 120 KB.

DISPLAYS STATUS & ACTIVITY INDICATORS

- The MIT's front panel has (7) LED's that display control & data functions that quickly identify port to port circuit status and line activity.

ALLOWS FOR ADAPTABILITY

- A four port adapter is available that allows for the isolation of ports that are connected to the widely used Applied Innovation AI1961/X interface card.

MEETS NEBS LEVEL 3 CERTIFIED

- Ensures for safe system integrity and operation within the central office.

POWER & DIMENSIONS

- Input Power (max): 60 watts @ 48VDC nominal
- Voltage Range: 36VDC to 72VDC
- Width 19" (23" extension optional)
- Height 7" Depth 8"

PRE-CONFIGURED TO PLUG AND PLAY

- Each Universal CO Chassis comes pre-populated with dual DB25 connectors on all 20 slots. Just slide in the MIT card, connect cables and your critical circuit is protected.

INTEGRATED WITH SCAN POINT ALARMING

- Scan point connection feature provides remote alarming upon MIT power failure.

CBM of America, Inc. is a multi-dimensional provider of communications technology products and services to the worldwide marketplace. As a recognized leader in the communications industry, CBM of America, Inc. has taken pride in responding to the demands of its customers.

Today, our innovative product development activities augment the installation, engineering and integration services that we continue to provide to our established customer base. Our technical expertise and dedication to quality achievement ensure our customers' complete satisfaction with our delivered solutions.