

Press Release

For More Information
Rich Aure (775) 746-5159
aureraw@sbcglobal.net

June 19, 2008

Redundant Analog Fiber Multiplexer for Radio Links Now Offers Hot-Swappable Chassis & High Temp.

Irvine, CA----A hot-swappable chassis and high temperature option is now available with the Model TC8000 Analog, Intercom & Data fiber multiplexer from TC Communications.

Configured with redundant fiber optics and power, the TC8000 is often used to provide stable, high quality voice audio and system reliability between Dispatch Centers and remote radio transmitters and receivers. The new chassis holds up to seven TC8000 interface cards (28 channels) and is available with a high temperature option (-4°F to 158°F) for demanding environments.

Because the TC8000 analog Multiplexer uses fiber optic cable rather than phone circuits, audio signal quality is clean and consistent. Many radio dispatch systems use leased phone circuits which are particularly susceptible to line distortions and quality can vary from day to day.

In addition, since effective line losses are zero, level settings are simplified and, once made, remain precise because the multiplexer's power and transmit/receive functions are internally redundant. Furthermore, when combined with the optional fiber redundancy and fiber path diversity, the system is immune to "going out of service" due to any single component failure.

"This hot-swappable chassis is beneficial because interface cards can be added or changed without powering down the system or any of its links," said Victor Liang, V.P. of Sales & marketing. "This can be very important when upgrading or maintaining critical emergency radio dispatch links for police and fire departments."

Featuring redundant power and optics, the TC8000 is a highly specialized 4-28 channel Analog & Data Fiber Optic Multiplexer that extends 600 Ohm audio and data channels to remote sites in a campus network.

Users can mix or match audio/intercom channels or RS-232, RS-422 TTL, and Dry Contact interfaces in increments of four up to a maximum of 28 channels. The intercom interface is for 4-wire voice communication (handsets) and the analog interface is 2/4 wire, 600 Ohm transformer coupled.

Since the TC8000 digitizes the analog and voice signals (PCM), voice quality does not degrade over extended distances. Distances up to 80km are typical over single mode fiber, 4 km over multimode fiber. It supports analog audio channels from 30Hz to 30KHz and asynchronous data up to 19.2Kbps.

#

Specializing in Fiber Optic Communications networks, TC Communications, Inc. designs and manufactures all types of Multi-Service Access Platforms, Ethernet Switches, Media Converters, Modems, Multiplexers, Telephone/Data Multiplexers and Telephone Extenders.

TC COMMUNICATIONS, INC.

17881 Cartwright Road • Irvine, CA 92614 U.S.A.
Tel: (949) 852-1972 • Fax: (949) 852-1948
Web Site: www.tccomm.com • E-Mail: sales@tccomm.com