

News Release

For More Information
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TC Communications Adds G.703-over-IP Gateway To JumboSwitch® Product Family

IRVINE, CA--- A high performance Gateway that extends 64kbps G.703 co-directional circuits over Ethernet/IP networks has been added to the TC Communication's JumboSwitch® product family.

The TC3846-1 G.703-over-IP Gateway features minimal end-to-end processing delay (latency) of less than 5 msec. because of its high-performance adaptive clock recovery, buffering and forwarding technology. It supports point-to-point and point-to-multi point topologies.

Typical applications include extending Power Utility Teleprotection relays with G.703/64K interfaces over Layer 2/3 IP networks. It is available as an interface card for any JumboSwitch® Industrial Gigabit Modular Ethernet Switch chassis option.

The TC3846-1 is fully manageable and supports VLAN and QoS to insure reliable communications. It offers an industrial hardened version (-40°C to +80°C) as an option. Some of its unique features include Remote Firmware Upgrade; Temperature and Power Consumption Monitoring; Traffic Monitoring and Statistics Reporting; and, a Network Time Server (NTS).

The JumboSwitch® offers all popular features and capabilities of standard Industrial Switches, but differs in that it integrates Ethernet/IP, VoIP and TDM-over-IP over a redundant Gigabit Ethernet fiber optic backbone. It provides backward compatibility with legacy devices and forward compatibility with developing Ethernet standards.

The JumboSwitch® is currently the only Industrial Gigabit Ethernet Modular Switch that provides hot-swappable universal interface card slots for modular interfaces to convert Voice, T1/E1 or Primary ISDN circuits, and serial data, with IP PBX, near Stratum II clock precision and demanding teleprotection speeds.

G.703 is an International Telecommunications Union (ITU) standard for transmitting voice or data over digital carriers such as T1 and E1.

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Specializing in Fiber Optic Communications networks, TC Communications, Inc. designs and manufactures all types of Industrial Grade Modular Ethernet Switches, Self-Healing Ring Ethernet Switches, Media Converters, Modems, Multiplexers, Telephone/Data Multiplexers and Telephone Extenders.

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