

Press Release

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New Technical Article:

“Modern Industrial Ethernet Switches Can Be Deterministic & Real-Time Responsive”

IRVINE, CA-----A new technical article from TC Communications addresses common concerns over real-time, deterministic and data reliability issues associated with normal Ethernet technology. As an example, it focuses on special features and tools available on TC Communications' JumboSwitch® and how it effectively eliminate risks and impacts on real time performances of mission-critical traffic by less-critical data.

Authored by Victor Liang, V.P. Sales & Marketing and Steve Tang, Sr. Staff Engineer, “Modern Industrial Ethernet Switches Can Be Deterministic & Real-Time Responsive” also examines the new capabilities and functions available in today's Ethernet switches.

Because of the maturity of VoIP technology, advancements in switching technology and improvements to long haul optics, modern Ethernet-based multi-service access platforms have become much better and cheaper alternatives to SONET/SDH for automation and control applications. Simply put, legacy systems like SONET/SDH, although reliable and well understood, are voice-centric, less flexible, difficult to scale, and most of all, are not optimized for packet data transmission.

Spurred by Standards Organizations and Manufacturers, modern Ethernet technology is closing in on the world of communications, according to Mr. Liang.

“The money-saving economics demonstrated by Ethernet Technology is indisputable and will increasingly affect all industries, especially the industrial automation industry,” said Mr. Liang

“Savvy network professionals are beginning to realize that multi-faceted IP-based solutions like the JumboSwitch will eventually replace SONET/SDH infrastructure for many long haul and inter-remote communications. The future belongs to next-generation IP products like JumboSwitch.”

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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.

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