

Press Release

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RTS® INTRODUCES TRIBUS™ DIGITAL AUDIO INTERFACE CARD AT NAB 2008

April 2008

Las Vegas, Nevada (April 11, 2008): RTS is pleased to launch the Tribus digital audio interface card at NAB 2008, Booth #C-5928. The new Tribus digital interface card transmits digital audio and data using multiple ADAM frames, allowing users quick connection of multiple remote intercom systems.

The RTS Tribus surpasses the Dual Bus Expansion card with superior channel capability and redefined system architecture, thus improving the robustness of the Tribus-based ADAM system. One card connects up to three ADAM frames, allowing synchronous communication over multiple ADAM frames using a Mesh network structure. Multiple Tribus cards can be used in an ADAM frame to take complete advantage of the redundancy feature offered for mission-critical communication environments. The Tribus supports all standard, hot-swappable, and configurable features within the ADAM intercom family and works in both AIO-8 and AIO-16 frame environments with simple software settings via RTS AZ-Edit intercom software. Each card communicates with a backcard in the frame, providing three full-duplex links to transmit digital audio as well as control data over a fiber network.

Key Features

Interface with ADAM

The Tribus card is fully backward compatible with all existing AES, AIO, and RVON cards in an ADAM intercom system. The hardware and software is completely compatible to work seamlessly with the TDM and control bus circuitry for routing audio and control data. This card provides a downloadable firmware feature through RTS AZ-Edit intercom software.

Channels per Link

The Tribus has three fiber links. Each link can support up to a maximum of 256 audio channels per link. This channel capability is provided for AIO-16 systems. Moreover, the link can also be scaled down to 128 channels, allowing it to support AIO-8-based intercom systems.

New System Architecture

The System Framework has been redefined for the Tribus, allowing the system to reconfigure itself in the advent of a frame failure. In the scenario where the master frame fails, another ADAM frame within the system seizes control until the fault is fixed. This fail-safe mechanism monitors both audio and control, messaging to prevent any corrupt behavior in the system.

Support for Multiple Distances

The backcard features three small-form-factor pluggable (SFP) connectors that allow support for multiple distances. This allows the user to configure cards based on their custom application. The user can insert Commercial-Off-the-Shelf (COTS) modules (Multi-Mode/Single Mode) to match their needs.

System Expansion

The Tribus employs the next generation ASIC “Nucleus” for higher performance and future system expansion. Table 1 describes the various systems supported by the Tribus.

Performance

24-bit Audio

44.1 kHz Input Sampling Rate

360 Mb/sec Throughput Per Link

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Contact persons for readers and press inquiries:

Guy Low
Sr. PR Writer | MarCom
Bosch Communications Systems
Telex Communications, Inc.
12000 Portland Ave. South

Burnsville, MN 55337
Phone: 952-736-3935
Fax: 952-736-4582
Uguy.low@us.bosch.com

James Edlund
Public Relations Manager
Bosch Communications Systems
Telex Communications, Inc.
12000 Portland Ave. South
Burnsville, MN 55337
Phone: 952-736-3901
Fax: 952-736-4582
james.edlund@us.bosch.com
www.boschcommunications.com

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Additional information can be accessed at www.bosch.com.