



data communications

Press Release

RAD Data Communications and Teknovus Demonstrate TDM over EPON

Joint Solution Simplifies Migration of Legacy Traffic, Including Cellular Backhaul, to IP-Centric Networks

PETALUMA, California – December 22, 2008 – Teknovus, the leading provider of EPON (Ethernet Passive Optical Network) chips for the deployment of triple play services in broadband access networks, and RAD Data Communications, the industry pioneer in pseudowire technology, today announced support for the migration of legacy TDM services to next generation IP networks.

RAD's TDM pseudowire gateways, along with Teknovus' EPON chips, exceed the ITU-T standards for traditional TDM voice services over a fiber-based IP network. This combination enables service providers to consolidate all services – traditional voice, VoIP, data, and video – onto one unified network, thereby preserving revenues from legacy services while opening up new subscriber opportunities.

RAD is the leading provider of TDM pseudowire gateways, assuring accurate timing and transport of simultaneous clock domains over Ethernet. Teknovus' EPON chips can be found in more than 35 fiber-based networks throughout the world, supporting carrier-class QoS (Quality of Service) for triple play services. Together, RAD and Teknovus enable transport providers to meet clocking and timing requirements for traditional services in the modern IP-network world, including backhaul of base station traffic from multiple cellular providers over a shared EPON.

Many transport providers – including cable operators – want to support multiple cellular and WiMAX providers over their access networks. Only RAD and Teknovus enable backhaul support for multiple carriers' traffic streams, creating a virtual isolated network – for each cellular and/or WiMAX provider – whose performance is completely unaffected by other traffic. These virtual networks are created using RAD's multiple clock transport/recovery technology and Teknovus' M-LLIDs (Multiple Logical Link IDs).

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“RAD’s long term experience and leadership in TDM pseudowire, together with Teknovus-based EPON infrastructure, opens the opportunity for carriers and transport providers to deliver TDM services over PONs,” stated, Eyal Gabay, Senior Product Line Manager at RAD Data Communications. “Together with Teknovus, we have proven the success of pseudowire emulation of TDM traffic over EPON networks with high voice quality.”

“Based on economics, performance and application flexibility, Teknovus-based EPONs are the ideal access networks for TDM transport,” stated Barry Gray, Director of Marketing at Teknovus. “Combined with RAD’s pseudowire gateways, we have proven support for cellular backhaul and enterprise PBX connectivity with multiple-clock domains.”

For more information on TDM Transport over EPON, please refer to the Teknovus white paper, available at www.teknovus.com.

About Teknovus

Teknovus is the leading developer and supplier of access chips and embedded software for the FTTx market, supporting EPON (Ethernet Passive Optical Networking) at 1G, 2.5G and 10G speeds. Teknovus products are deployed by more than 35 service providers around the world, enabling the delivery of advanced triple-play services, including IPTV, via optical fiber networks. Teknovus products support the full FTTx network, covering the Central Office (OLT) and the Customer Premises (ONU). Teknovus is headquartered in Petaluma, California with sales, design and support centers in Tokyo, Seoul, Beijing, Shanghai, Hong Kong, San Jose and Boston. To learn more about Teknovus, visit www.teknovus.com.

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About RAD

Established in 1981, privately owned RAD Data Communications has achieved international recognition as a major manufacturer of high quality access equipment for data communications and telecommunications applications. These solutions serve the data and voice access requirements of service providers, incumbent and new carriers, and enterprise networks, by reducing infrastructure investment costs while boosting competitiveness and profitability. The company's installed base exceeds 10,000,000 units and includes more than 150 carriers and operators around the world. These customers are supported by 21 RAD offices and more than 300 channel partners in 164 countries.

RAD is a member of the RAD Group of companies, a world leader in networking and internetworking product solutions.

RAD Data Communications sites: www.rad.com and www.pseudowire.com

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