



data communications

New Product Release

RAD Introduces Next Generation Carrier-Class Voice Trunking and 3G Media Gateway for DCME Applications

16:1 Voice Compression Slashes Leased Line Costs for Mobile Operators, Satellite Connections, International Telecom Providers, and Financial Services

January 25, 2010 - RAD Data Communications has unveiled the Vmux-2120, a scalable, fully redundant carrier-class voice trunking and 3G media gateway for DCME applications that provides compressed voice transmission over TDM and IP networks.

Designed to significantly reduce satellite and microwave bandwidth consumption and lower leased line expenses, the Vmux-2120 employs powerful DCME voice compression algorithms as well as RAD's patented TDMoIP® pseudowire technology to compress up to 16 full E1/T1 circuits over a single E1/T1 or IP uplink. This guarantees optimal bandwidth utilization while maintaining toll quality voice, lowering both operating (OpEx) and capital expenses (CapEx). At the same time, all legacy services and signaling are maintained. The Vmux-2120 also features link protection, so that it can transmit over a channelized TDM or IP link while employing a second TDM or IP link as a back up.

Cellular operators can use the Vmux-2120 to eliminate expensive leased lines between MSCs or between MSCs and the PSTN by leveraging existing 2G backbone segments while introducing 3G Next Generation MSCs. This avoids needless 2G forklifts in order to support 3G services. The platform is fully interoperable with Next Generation MSCs and softswitches.

Satellite connections, international telecom providers, financial services, and call centers can use the Vmux-2120 to reduce the number of transmission lines they lease. Disaster recovery solution providers, moreover, can use the Vmux-2120 to save on expensive satellite and microwave bandwidth.

“The Vmux-2120 represents the next generation of our Vmux DCME product line, which has been deployed with great success worldwide,” notes Ido Miran, Product Line Manager at RAD Data Communications. “Working opposite RAD’s Gmux-2000 central-site pseudowire access gateway, the Vmux-2120 constitutes a total solution that offers 16:1 voice compression with excellent voice quality while providing a smooth migration path to Next Generation networking.”

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About RAD

Founded in 1981, privately-owned RAD Data Communications has achieved international recognition as a major manufacturer of high quality access and backhaul equipment for data communications and telecommunications applications. These solutions serve the data and voice access requirements of service providers, carriers, and enterprise networks. The company's installed base exceeds 11,000,000 units and includes more than 150 carriers and operators around the world, including AT&T, China Mobile, Deutsche Telekom, France Telecom, Hutchison, Orange, Telekom Austria, TeliaSonera, Telstra, T-Mobile, and Verizon. RAD is an active participant in industry organizations such as the IETF, IP/MPLS Forum, ITU, and MEF. Its customers are supported by 26 offices and more than 300 channel partners in 165 countries.

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

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