



data communications

Press Release

New Enhancements to RAD's Megaplex-4100 Hybrid SDH/SONET and PSN Access Node Deliver Higher Performance and Low TCO

October 11, 2010 –At Broadband World Forum 2010 in Paris, RAD Data Communications will preview major enhancements to its Megaplex-4100 next generation multiservice access node, specifically designed to provide unrivaled core/edge functionality for carriers, enterprises, utilities and transportation companies.

A pivotal part of the newly released AXCESS⁺ portfolio, the Megaplex-4100 is a carrier-class, high-capacity central-site platform for grooming, aggregation, cross-connect, or transparent delivery of legacy TDM and Ethernet services over fiber, copper DSL, wireless, PDH/ SDH/SONET, or packet transport. Working opposite RAD or third party CPEs (customer premises equipment), the Megaplex-4100 handles a broad range of voice and data services in a single compact managed node, making it an ideal solution for carriers and private network operators in migrating their networks and services to next-generation communications.

The new release features, among others, increased Gigabit Ethernet and STM-4/OC-12 capacity, Carrier Ethernet-enabled design, minimal transmission overhead and ultra-low latency, transparent traffic delivery for large numbers of end users, and enhanced DS0/DS1 cross connect functionality, as well as simplified remote configuration and device management.

“The Megaplex-4100 offers the benefits of both the TDM and PSN (packet switched networks) worlds,” states Kobi Gol, Senior Product Line Manager at RAD Data Communications. “It also offers major CapEx savings by integrating multiple functionalities and technologies in a single device, while allowing substantial OpEx reductions with a unified management system and bandwidth optimization schemes.”

Maximum Flexibility for NGN Migration

The Megaplex-4100 features dual star connection architecture with hybrid TDM-Ethernet modules, which allow native TDM and Ethernet traffic handling with minimal encapsulation delays and zero bandwidth overhead. In addition, it is equipped with a full standards-based pseudowire emulation suite, ensuring TDM service quality is maintained when delivered over

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packet switched transport. Carrier class service reliability is ensured with system redundancy options, link and path protection schemes and enhanced support for diverse ring topologies. “The new design we’ve incorporated into the Megaplex-4100 is intended to boost network performance and lower operator TCO (total cost of ownership),” concludes Gol. “Its high versatility and future proof capabilities offer maximum flexibility in planning the migration to IP, Ethernet and MPLS technologies.”

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](#), [Broadband Forum](#), [ITU](#), and [MEF](#). Its customers are supported by 27 offices and more than 300 channel partners in 165 countries.

RAD’s environmental management system is ISO 14001 certified. Its operations facilities and processes comply with the industry’s most stringent standards and are completely non-polluting.

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

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