



data communications

New Product Release

RAD Introduces Market's Smallest Entry-Level DSL Cell-Site Gateway with Pseudowire Capability

Tel Aviv, Israel, February 4, 2009 – RAD Data Communications, the award-winning manufacturer of innovative mobile backhaul solutions, has unveiled the market's smallest entry-level DSL cell-site gateway with built-in pseudowire capabilities.

The ACE-3105 is specifically designed to accommodate the rapid expansion in cellular backhaul traffic resulting from the widespread deployment of new mobile broadband services. By employing standard pseudowire emulation capabilities and advanced clock recovery mechanisms, the ACE-3105 enables carriers to transparently provision ATM and TDM services over xDSL and high capacity, economical packet-switched networks (PSNs).

“The ACE-3105 uses widely available ADSL2+ or SHDSL.bis services to deliver GSM, UMTS and HSPA mobile broadband services over cost-effective PSN transport networks,” explains Ehud Malik, Product Line Manager at RAD Data Communications. “By supporting 2G, 3G and 3.5G traffic, the ACE-3105 minimizes capital expenses (CapEx) and shortens service rollout times while enabling a gradual migration to PSNs.”

In addition, the ACE-3105 lowers operating expenses (OpEx) by optimizing radio access network (RAN) bandwidth utilization through the grooming of TDM, ATM and Ethernet traffic onto a single network interface. HSPA asymmetric traffic can be emulated over ADSL2+ or 3G R99 and 2G GSM (voice and data) traffic can be transported over SHDSL.bis. The product ensures service reliability and differentiated Quality of Service (QoS).

Small Design and Weather-Hardened Enclosure

The ACE-3105 is unique among cell-site gateways in offering a half 19-inch width and total front access design, both of which are especially appropriate for the limited space installations that typify so many cell stations. In addition, the device's weather-hardened enclosure ensures workability under the harshest and most adverse climatic conditions.

The advanced ATM shaping and scheduling capabilities of the ACE-3105 permit operators to implement overbooking strategies, enabling them to further optimize network utilization and conserve existing resources. The device provides highly accurate synchronization over packet transport and meets the key requirements for mobile backhaul. The clock can be recovered using a number of different techniques, including NTR over SHDSL links.

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Multiservice Gateways, Multi-Standard Pseudowire Modes

The ACE-3105 is the newest member of RAD's award-winning ACE family of cell site gateways, which delivers 2G TDM, 3G ATM and Ethernet traffic over any transport network, efficiently handling real-time voice and best-effort data with cross-generation support, regardless of the underlying physical layer. Incorporating ASIC design with TDM and ATM pseudowire standards, the devices have enhanced OAM and QoS capabilities that maintain uniform, high performance service delivery and backward compatibility for legacy service over new networks. This allows operators to amortize their large TDM and ATM installed-base while moving to next generation services and enabled interoperability in multi-vendor environments.

RAD's ACE solutions have been selected for deployment by T-Mobile, TeliaSonera, Orange, KPN, and EMOBILE, among other operators.

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, www.rad-cellular.com, www.pseudowire.com

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