

Ericsson unveils world's first realtime router for wireless networks

Ericsson is introducing the world's first router optimized to handle realtime services in wireless networks. It enables operators to build all-IP wireless networks that can handle demanding, realtime services with telecom-grade quality. Based on a realtime sensitive implementation of existing and emerging open Internet standards, it allows for interoperability with other vendors' equipment.

The Ericsson Realtime Router RXI 820 is an industry first of its kind – specifically designed to efficiently handle the special characteristics of wireless access networks. These networks have demanding requirements, such as synchronization of base stations, use of narrowband links, and provision of delay sensitive services.

The new router is based on Ericsson's platform for 3G systems, and features interfaces with special hardware for efficient packet forwarding performance. It incorporates a feature-rich Internet software protocol suite acquired through Ericsson's majority investment in Telebit, enhanced for wireless networks.

The Ericsson RXI 820 provides advanced quality of service for delay-sensitive traffic, outstanding performance, reduced operational expenditure, and a highly scalable telecommunications-grade platform with no single point of failure. It is future proof, handling both Internet Protocol version 4 (IPv4) and Internet Protocol version 6 (IPv6), as well as transition between the two.

The RXI 820 is part of Ericsson's total solution for delivery of IP-based realtime services in wireless networks. The realtime router technology of the RXI 820 will also be embedded in other 2G and 3G radio network nodes, such as media gateways and base stations, ensuring end-to-end realtime performance.

It is supported by a new advanced IP layer management system, the IP Layer Manager (ILM). The ILM is an open, standards based and modular system for managing very large-scale wireless IP networks. Through advanced automatic configuration, performance monitoring and simulation capabilities, it simplifies management of complex networks, substantially reducing the operational costs.

The Ericsson Realtime Router RXI 820 and the IP Layer Manager marks an important step forward in the transition to all-IP based wireless networks.

IP-based networks can offer operators, faced with a new traffic mix, significant advantages – simplicity and reduced operational costs, more efficient utilization of network resources, and new revenue opportunities through enhanced service offerings to their users.

Ericsson is the leading provider in the new telecoms world, with communications solutions that combine telecom and datacom technologies with freedom of mobility for the user. With more than 100,000 employees in 140 countries, Ericsson simplifies communications for its customers – network operators, service providers, enterprises and consumers – the world over.

Please visit Ericsson's Press Room at: <http://www.ericsson.se/pressroom>

FOR FURTHER INFORMATION, PLEASE CONTACT

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To more learn about the Ericsson Realtime Router RXI 820, see;
“Realtime routers for wireless networks” at;
http://www.ericsson.se/review/search.taf?function=detail&content_uid2=90

“Wireless Internet via new router” at;
<http://www.ericsson.com/infocenter/CO9920 Theme technology New rout.html>

To more learn about Ericsson's new IP Base Station System, see the business media release “Innovative IP system from Ericsson offers substantial cost savings. ”

About Ericsson Telebit

Ericsson acquired a 75 percent stake in Danish company Telebit Communications A/S in June 1999.

Having developed the world's most advanced IPv6 router, the company is the first vendor to provide commercially available Internet router solutions based on new generation Internet standards, commonly referred to as IP version 6 (IPv6). The company's dual IPv4/IPv6 products interoperate with IPv4 systems as well as IPv6, the new generation Internet.

For more information about Ericsson Telebit, please visit web site <http://www.tbit.dk>

About IPv6

Internet Protocol version 4 (IPv4) was designed in the early 1980s. The accelerating growth of the Internet, the migration of the Internet into new areas such as embedded devices, and the widespread use of IP in wireless consumer devices, provide a new and different set of growth challenges.

These devices will be the next generation of cellular phones, pagers, Personal Digital Assistants (PDAs), digital cameras and a variety of embedded devices. To address the issues with the growing Internet, the IETF (Internet Engineering Task Force) has devised a new standard, IPv6, to extend the current IP infrastructure. The new standard improves scalability and security of IP networks, and also provides mechanisms for easier configuration of networks and attached devices.