

NEC Launches iPASOLINK, the Converged Flexible Platform for Backhaul

NEC's new series of products to help operators reclaim the business case for mobile broadband

Melbourne, September 2, 2010 - NEC Corporation announced today the launch of its iPASOLINK platform, a new breed of product and the key building block in the transformation of backhaul networks for LTE [\(*1\)](#). The modular, flexible, all-in-one converged design of iPASOLINK - incorporating packet, microwave and optical technologies - ensures network operators can deploy high-performance, next-generation networks without incurring unnecessary costs.

"The NEC iPASOLINK is a game changer: it is designed to support the evolution from today's hybrid TDM [\(*2\)](#) and Ethernet backhaul towards the full IP transport required by LTE, while significantly reducing the cost of ownership thanks to its all-in-one converged design," said Hiroyasu Ishii, General Manager of the Global Network Division, Global Carrier Solutions Operations Unit, NEC Corporation.

Mr. Ishii continued, "Its flexible modular architecture allows operators to optimise their network strategies and invest gradually and in step with actual service and traffic demands. This design, combined with NEC's unparalleled engineering reliability and simple installation, ensures iPASOLINK delivers outstanding value to operators."

At the core of the iPASOLINK platform is a powerful traffic switch which delivers efficient aggregation, advanced Quality of Service (QoS) features and low latency. In addition, iPASOLINK incorporates NEC's market-leading, high-capacity microwave transmission technology, which is capable of large capacity delivery of gigabits-per-second throughputs using high modulations and XPIC [\(*3\)](#). In future releases, iPASOLINK will support multiple 10Gbps optical WDM [\(*4\)](#) interfaces.

The technical features of iPASOLINK are delivered on a highly configurable platform. Hardware functionality can be tailored to each network application with the use of plug-and-play modules,

while advanced traffic management features can be added through non-service-affecting, pay-as-you-grow software upgrades.

The NEC iPASOLINK is inspired by the NEC vision of "Intelligent Converged Backhaul," first announced at the Mobile World Congress 2010. The first products will be delivered and installed in networks around the world from September 2010, following a period of extensive customer consultation and trials.

iPASOLINK Series is the next generation of PASOLINK products. Since the launch in early 1980s and with the rapid growth of mobile communications, PASOLINK has been widely adopted as a microwave communications system for mobile backhaul, with shipments of approximately 1.5 million units throughout 141 countries. Since 2007, NEC has secured the top global market share in microwave communications systems for three years in a row (*5).

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*1: LTE - Long-Term Evolution

*2: TDM - Time Division Multiplexing

*3: XPIC - Cross Polarization Interface Canceller

*4: WDM - Wavelength Division Multiplexing

*5: Source - Sky Light Research <http://www.nec.co.jp/press/en/1003/1901.html>

Reference: Further information on PASOLINK is available at

NEC PASOLINK website: <http://www.nec.com/global/prod/nw/pasolink/>

NEC Online TV: http://www.nec.com/global/onlinetv/en/business/pasolink_1.html

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