



## ICERA ANNOUNCES FIRST ADAPTIVE WIRELESS™ HSDPA DATACARD PLATFORM

- Based on Icera Livanto™ ICE8020 wireless soft modem IC
- Full multimode support for 3GPP release 5: GSM, GPRS, EDGE, WCDMA and HSDPA
- The highest performance HSDPA available today – 3.6Mbps scalable to 7.2Mbps
- Adaptive Wireless™ advanced receiver and antenna receive diversity – triples data rate
- Supports emerging embedded laptop form factors
- Future proof - HSUPA ready with no hardware change

**Bristol, UK November 14<sup>th</sup> 2005.** Icera has today announced availability of its first Adaptive Wireless™ HSDPA Datacard Platform, which is enabling cellular datacard vendors to be first to market with next generation 3GPP Release 5 multimode HSDPA products. The platform supports Adaptive Wireless™ software delivering peak data-rates of 3.6Mbps and is fully scalable to 7.2Mbps and HSUPA – without hardware change.

Stan Boland, President & CEO of Icera said: “The availability of HSDPA terminals is probably the most pressing requirement for all global operators today and our first announced platform fully meets their requirements and will scale to meet their future upgrades. Supporting 3.6Mbps user data rates, our Adaptive Wireless™ advanced receiver and diversity software capability will deliver dramatically improved user data rates and network capacity over early 1.8Mbps prototype solutions.”

Commenting on the announcement, Michael Thelander, Principal Analyst at Signals Research Group, LLC, an independent research consultancy, and author of the Signals Ahead research newsletter, said: “3G operators are placing a very high premium on HSDPA and HSUPA, which we believe will drive the widespread adoption of these technologies even more so than we first envisioned. Within four years, HSDPA could represent more than 70% of the entire 3G market, and account for over 200M devices.” He further added, “With a fully-functional 3.6Mbps platform available today that features a software-only upgrade to 7.2Mbps, Icera is positioning itself to be a leading supplier of HSDPA. In this market, Icera is definitely a company to watch.”

The Adaptive Wireless™ HSDPA Datacard Platform is unique in supporting the software implementation of an advanced set of physical layer algorithms, which constantly monitor wireless channel conditions and dynamically adapt to guarantee the highest level of performance at all times. The Icera platform is the first to fully support an advanced receiver that features more complex receive path signal processing plus dual antenna receive diversity. As a result, a typical user might see a trebling in actual data rates compared to conventional solutions.

Built around the Icera Livanto™ ICE8020 device, the Adaptive Wireless HSDPA Datacard Platform has an extremely small board area and low power consumption, allowing it to support emerging embedded laptop form-factors, such as PCIe Mini-Card and PCIe Express Card, as well as the more conventional PCMCIA.

The Icera platform design is complemented by proven products from other industry leaders, including TTPCom's HSDPA dual mode protocol stack and Infineon's UMTS RF solution.

Icera is scheduled to provide customers with fast upgrades to higher HSDPA categories, including 7.2Mbps, and is set to be one of the first companies offering the latest enhanced uplink data rates, often referred to as HSUPA. Icera's advantage is that these are software deliverables and require no hardware changes to implement.

#### **About Icera:**

Icera is the leader in wireless soft modem devices and supports mobile terminal and datacard OEMs with the highest performance HSDPA through a range of platform solutions. Founded in 2002, Icera is headquartered in the UK, with design locations in the UK and France, sales offices in Europe and Japan and representative support in Korea. For more information, visit the Icera web site at <http://www.icerasemi.com>.

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