



## media information

10th January 2005

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### CAMBRIDGE BROADBAND INTRODUCE INNOVATIVE WIMAX™ SOLUTION

**Cambridge January 10th:** Cambridge Broadband today announced a major addition to its VectaStar product family, by adding WiMAX support to its multi-service platform together with an expansion into new frequency bands.

Cambridge Broadband has partnered with SEQUANS Communications – a fabless semiconductor company specialising in WiMAX™ silicon – to develop a new product called VectaMAX. VectaMAX will integrate Sequans' WiMAX System-on-a-Chip (SoC) into VectaStar customer premise equipment to produce a WiMAX pico-base station with integrated backhaul.

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The key to a successful WiMAX service is to ensure that the end user experience is one of consistent, reliable coverage delivering the high data rates promised. For this, numerous WiMAX pico-base stations will be needed, and as with WiFi hotspots, cost effective backhaul will be a key consideration.

VectaMAX will offer local coverage in a range of licensed and unlicensed bands, supporting connectivity with Intel's Rosedale and other WiMAX chipset vendor enabled CPEs. The backhaul traffic will be carried on the core VectaStar network together with a mix of traffic types such as E1/T1, ATM and IP as part of a complete alternate access network. VectaMAX pico-base stations can be incorporated in any new or currently deployed VectaStar networks.

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To address the growing backhaul crisis due to increased capacity requirements and shortage of spectrum, Cambridge Broadband is also adding new frequency variants to the VectaStar product family. The first of these will be at 10.5GHz. This will allow spectrum-limited network operators to use the 3.5GHz band to offer local WiMAX coverage combined with 10.5GHz for backhaul. Cambridge Broadband will later offer VectaStar in other new frequency bands during 2005.

Commenting on the choice of Sequans, John Porter, Cambridge Broadband's CTO said, "We see Sequans as an agile, innovative company whose philosophy matches our own. As Sequans offer a complete SoC for both base station and subscriber terminals, we can develop a cost-effective, higher performance product ideally suited for a WiMAX pico-base station. This in turn creates an economically viable WiMAX solution for small deployments as well as for larger rollouts".

For further information on Cambridge Broadband's WiMAX strategy or a copy of the WiMAX strategy document please contact Sandra Gilligan, Director of Marketing.

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1. For more information about any of the issues in this press release, please contact Sandra Gilligan, email [sgilligan@cambridgebroadband.com](mailto:sgilligan@cambridgebroadband.com), phone +44 (0) 1223 225797.
2. A PDF version of this press release is available; please contact Sandra Gilligan (as above).

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**About Cambridge Broadband** [www.cambridgebroadband.com](http://www.cambridgebroadband.com)

An active member of the WiMAX Forum™, Cambridge Broadband has pioneered the development of carrier-class, point-to-multipoint broadband wireless access equipment. The company is focused on delivering high quality multi-service networks to network operators with the best price-performance in the licensed band worldwide. Cambridge Broadband was formed in January 2000 by an experienced team with a strong record of successful innovation in broadband wireless design.

**About VectaStar**

Cambridge Broadband's 3.5GHz and 10.5GHz VectaStar system offers the most advanced combination of high bandwidth, high coverage and extended range on the market. It supports multiple carrier-class services simultaneously, each with robust QoS through the following customer premise equipment; IPSolo, IPBasic, IPPlus, IPMax, IPMaxFibre and IPMaxATM. The VectaStar has excellent non-line-of-sight capability and self-backhaul at ranges beyond 20km, making it a compelling solution for network operators looking for a fast return on investment.

**About Sequans** [www.sequans.com](http://www.sequans.com)

SEQUANS Communications is a fabless semiconductor company created by a team of seasoned experts to become the leading supplier of silicon and software for Broadband Wireless Access. By providing integrated PHY and MAC solutions that seamlessly fit into system vendors' designs, Sequans greatly lowers cost of ownership of base stations and subscriber stations. Sequans delivers a standards-based solution, compliant with the requirements of the WiMAX Forum™. It also incorporates additional features for increased coverage and mobility, thus lowering deployment costs and enabling fixed, nomadic/portable and mobile applications.

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