

## Focus on Mergers and Acquisitions

### Optical Communication Products, Inc. to Acquire GigaComm

*From BBP Wires*

**WOODLAND HILLS, CA** — Optical Communication Products ([www.ocp-inc.com](http://www.ocp-inc.com)), a manufacturer of optical subsystems and modules, has agreed to acquire privately held GigaComm Corporation ([www.gigacomm.com.tw](http://www.gigacomm.com.tw)), a Taiwan-based supplier of passive optical network (PON) FTTH components. OCP will pay approximately \$20 million in cash for GigaComm.

GigaComm is the leading supplier

of FTTH modules in Japan, which is the world's largest FTTH market and a very fast-growing one, with the number of FTTH subscribers nearly doubling from 2.9 million at the end of March 2005 to 5.4 million by March 2006. NTT, Japan's largest service provider, has reported that it expects to have 30 million FTTH subscribers by 2010. GigaComm provides PON components to many of Japan's leading technology companies,

including Mitsubishi Electric Company. The transaction is OCP's initial venture in Asia and is projected to be completed by the end of this summer. Acquiring GigaComm is part of OCP's strategy to make its product offerings more comprehensive, bring focus to its efforts in Asia and extend the company globally. The strategic combination is expected to increase OCP's level of current revenues by approximately 25 percent.

### Telco Systems Acquires Metrobility Optical Systems

*From BBP Wires*

**FOXBORO, MA** — Telco Systems ([www.telco.com](http://www.telco.com)), a provider of carrier-class transport and access solutions, has acquired Metrobility Optical Systems, which provides optical Ethernet demarcation solutions for carrier Ethernet. The acquisition integrates Metrobility's intelligent Ethernet service demarca-

tion devices with Telco Systems' metro Ethernet access solutions.

Metrobility's Radiance demarcation solutions complement Telco Systems' T-Marc product line by adding a wide range of cost-effective, remotely-managed, single and multi-port demarcation options to Telco Systems'

current offerings. These demarcation solutions can be used on their own or in conjunction with Telco Systems' carrier-class T-Metro, an MPLS/HV-PLS-based multiservice metro Ethernet access platform, or the company's T5 Compact family of Ethernet aggregation switches.

### Nokia and Siemens Merge Communications Service Provider Businesses

*From BBP Wires*

**HELSINKI** — Nokia ([www.nokia.com](http://www.nokia.com)) and Siemens ([www.siemens.com](http://www.siemens.com)) announced that they intend to merge the Networks Business Group of Nokia and the carrier-related operations of Siemens into a new company, to be called Nokia Siemens Networks. The 50-50 joint venture will create a global leader with strong positions in important growth segments of fixed and mobile network infrastructure and services. Nokia Siemens Networks will have one of the world's

best research and development teams with the ability to invest in next-generation fixed and mobile product platforms and services. The new company will have a world-class fixed-mobile convergence capability, a complementary global base of customers, a deep presence in both developed and emerging markets, and one of the industry's largest and most experienced service organizations. Based on current market share data, the combined company will be the second largest com-

pany in mobile infrastructure, second in services, third in fixed infrastructure, and the third largest in the overall telecommunications infrastructure market. The company's portfolio will include Next Generation Network convergence products like IMS, 2G GSM/EDGE access, 3G WCDMA/HSDPA access, extensive mobile core, fixed broadband, transport, IPTV, LTE, WiMAX and low-cost mobile voice products tailored for emerging market operators.

## ABN AMRO Capital France Acquires NextiraOne

From BBP Wires

**PARIS** — NextiraOne Europe Holdings announced the completion of its acquisition by ABN AMRO Capital France (AACF). AACF becomes the majority shareholder in NextiraOne. As part of the agreement, members of Nextira-

One's management team have invested to become minority shareholders in the company. NextiraOne, which generated revenues of more than €1billion in 2005, is Europe's largest independent communications solution integrator.

With a direct presence in 16 European countries and more than 100,000 customers, NextiraOne is recognized as one of Europe's foremost providers of integrated IP communications solutions and managed services.

## Luminent – HG Genuine Acquisition Terminated

From BBP Wires

**CHATSWORTH, CA, and WUHAN, CHINA** — Luminent ([www.luminent.com](http://www.luminent.com)), a wholly-owned subsidiary of MRV Communications, announced that it has mutually agreed with Huagong Tech Company Limited, or HG Tech ([\[english\]\(http://www.hgtech.com.cn/new-english\)\) to terminate its acquisition of HG Genuine Opto, a subsidiary of HG Tech, based on current market valuations of comparable companies and further due diligence. The parties expressed their hope of finding mutually agreeable terms in which to realize the synergies](http://www.hgtech.com.cn/new-</a></p></div><div data-bbox=)

between their companies. Luminent is a provider of Fiber to the Premise (FTTP), Metro Transceivers, and CWDM and DWDM Solutions, and has research and design centers and TL9000 certified production facilities in Chatsworth, CA and Hsin-Chu, Taiwan.

## Clearwire Secures \$900M In Financing, Sells NextNet Wireless To Motorola

From BBP Wires

**KIRKLAND, WA, SANTA CLARA, CA, and SCHAUMBURG, IL** — Clearwire Corporation ([www.clearwire.com](http://www.clearwire.com)) has received \$900 million in financing, two thirds of it from Intel Capital ([www.intel.com/capital](http://www.intel.com/capital)), to accelerate its development and deployment of portable and mobile WiMAX networks. At the same time, Motorola

([www.motorola.com](http://www.motorola.com)) acquired Clearwire's subsidiary NextNet Wireless, a provider of non-line-of-sight (NLOS) wireless broadband infrastructure equipment. Motorola Ventures is also participating in the financing round. Both Intel, the parent company of Intel Capital, and Motorola will be working with Clearwire to help deploy

WiMAX. Motorola will supply wireless broadband equipment for Clearwire's existing and future networks, and Intel plans to integrate WiMAX chipsets into its mobile computing platforms. All three parties will contribute research and development resources to evolve NextNet Wireless' pre-WiMAX technologies.

## Net Insight Receives Add-on Order from Broadcast Service Denmark

From BBP Wires

**STOCKHOLM** — Net Insight has delivered additional equipment to expand the Danish digital terrestrial TV network. The transport network for Danish digital TV is based on Net Insight's Nimbra platform and went operational on March 31. Nimbra brings the TV signals from national and regional broadcasters, via optical fiber and microwave links, to transmitter masts located all over Denmark. Net Insight's Nimbra platform can transport any combination of voice, video and data.

Broadcast Service Denmark (BSD) is responsible for the analog and digital distribution of TV and radio in Denmark. BSD is a wholly owned subsidiary of the two Danish public service broadcasters DR and TV 2/DENMARK. "The Danish network has been operational for three months now and Net Insight's Nimbra platform meets all our expectations, making it possible for us to build out the network further and expand", said Finn Søndergaard Pedersen, CEO of Broadcast Service Denmark.

## Focus on In-Home Networking

With the growing popularity of wireless computer networks, consumers and business users now want to link all of their electronic devices –TVs, iPods, DVRs and game boxes as well as their PCs. In a cable-free home, most of the boxes in living rooms today could move to a media closet, and TVs and speakers could be placed anywhere without worrying how far the cable will go. Wireless and broadband over power line technologies are both being developed for cable-free in-home networking.

### Tzero Unveils Wireless Solution for Broadcast-Quality Video

*From BBP Wires*

**SUNNYVALE, CA** — Delivering on the promise of a wire-free home, Tzero Technologies ([www.Tzerotech.com](http://www.Tzerotech.com)) introduced a solution that delivers broadcast-quality video over wireless networks. The Tzero TZ 7000 chipset solution has non-line-of-sight operation, enabling devices to communicate wirelessly through walls and

extend across multiple rooms. It also features performance up to 10 million times greater than other wireless networks and transmission speeds of up to 480Mbps, supporting three or more high-definition video streams across a 20-meter range while running at 100Mbps. The chipset, which began shipping in July, meets the link reliabil-

ity and packet error rate requirements defined by Panasonic, Philips, Samsung, Sharp and Sony. The Tzero ultra-wideband solution will allow these consumer electronics manufacturers to provide a wireless network for connecting home entertainment systems, computers and other consumer electronic devices within a home or office.

### Netgear Enables HD Video and Audio Streaming over Power Lines

*From BBP Wires*

**BRACKNELL, UK AND VALENCIA, SPAIN** — Netgear ([www.Netgear.com](http://www.Netgear.com)) announced the availability of a 200 Mbps Powerline HD Ethernet adapter and kit. The Ethernet adapter lets consumers connect a personal computer, digital video recorder, game console or other Ethernet-ready device to their home network. It distributes high-speed, high-performance, affordable broadband throughout the home, without the need to run cabling between rooms. Netgear's Powerline HD

Ethernet Adapters turn any AC electrical outlet into an HD-streaming, high-speed Ethernet broadband connection for real-time high-quality video, gaming and VoIP. They offer built-in Video Quality of Service (VQoS) for consistent performance with encrypted security, to stream high-definition video throughout the entire home. The VQoS feature ensures that video and gaming traffic is prioritized above all other network traffic so that HD video streams are free of interruption from others using the net-

work. The Ethernet Adapter Kit consists of two Ethernet Adapters, an Ethernet cable and a set-up CD. By plugging one of the Ethernet Adapters to a router and the other to any Ethernet-ready device – (PC, game console, print server, digital video recorder, or the upcoming Netgear Digital Entertainer) – consumers have access to speeds up to 200Mbps. The Ethernet Adapter can also make large file transfers to networked storage devices up to 12 times faster than previous Powerline networking products.

### ACCESS and Oki Collaborate in DLNA Compliant Products for Next Generation Home Networks

*From BBP Wires*

**TOKYO** — ACCESS, Oki Electric Industry and OKI ACCESS Technologies a joint venture of the two, are collaborating to accelerate the realization of next-generation home network service. The companies will combine their current products to provide solutions that are compliant with the DLNA (Digital

Living Network Alliance) home network standard, that will promote the convergence of home networks and mobile terminals. In June, ACCESS developed middleware for embedded equipment, the "NetFront Living Connect," which is compliant with the DLNA guideline. Oki Electric announced its

BB Media Router (BBMR) in October 2005, a gateway platform provided worldwide for next-generation home network service with home gateway and server functions. Oki's BBMR will now be equipped with NetFront Living Connect. Said Masayoshi Matsushita, Senior Operating Officer of Systems Network

Business Group at Oki Electric, "With this collaboration, BBMR users can now control DLNA compliant home appliances such as PVRs (Personal Video Recorders) from their NetFront Browser-equipped mobile phones whether they are in or out of their

homes. This will provide a much more convenient and comfortable home network." "Based on our NetFront Living Connect's functions, BBMR-users will also be able to upload and download and store videos from mobile phones or PDAs using the home server func-

tion," said Toru Arakawa, president and CEO of ACCESS. ACCESS is a global provider of mobile content delivery and Internet access technologies to the beyond-PC market. For more information: [www.access.co.jp](http://www.access.co.jp) or [www.access-us-inc.com](http://www.access-us-inc.com).

## Cooper Wiring Devices Demonstrates Aspire RF

*From BBP Wires*

**PEACHTREE CITY, GA** — Cooper Wiring Devices ([www.cooperwiringdevices.com](http://www.cooperwiringdevices.com)) showcased its new ASPIRE RF line of wireless control products recently at the PCBC trade show in San Francisco. The product line includes controllers, dimmers, switches, receptacles, screwless wall plates, and accessories. Any ASPIRE RF light switch, power receptacle, dimmer or component can be con-

trolled with a touch command. ASPIRE RF's handheld controllers let users manage computers, PDAs, inside and outside lighting, appliances, home security, thermostats and a range of other devices. ASPIRE RF incorporates Z-Wave's 900 MHz two-way RF (radio frequency) technology, using collision sensing and random back-off to reduce interference. It also works as a "mesh network," allow-

ing each device to act as a repeater, routing around permanent or transient radio dead spots. This ensures compatibility with hundreds of Z-Wave products from other Z-Wave Alliance partners. Any of the products can be controlled with the touch of a single button on a remote control, or joined with other devices to create "events" or "scenes" that offer ambience, convenience and energy savings.

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## SMC Networks Kicks Off VDSL2 Product Line

*From BBP Wires*

**IRVINE, CA** — SMC Networks ([www.smc.com](http://www.smc.com)) has announced its first product supporting VDSL2. The new TigerAccess Extended Ethernet Switch, which became available in July, lets providers build faster, higher-capacity networks in multi-dwelling/multi-tenant units and in environments like hotels, cruise ships, hospitals and universities — all over existing phone lines. No wiring changes are necessary to deliver even high-demand services like voice and standard video.

Both new installations and facilities already outfitted with VDSL can install the new switches to increase capacity up to 100 Mbps. Sites where wireless solutions have been deployed can also upgrade to VDSL2 to overcome problems with dead spots and lack of upgrade capacity.

## SOFTBANK and Motorola to Launch 2.5 GHz WiMAX Trial in Japan

*From BBP Wires*

**ROSEMONT, IL** — Motorola has reached agreement with SOFTBANK Group for the deployment of a WiMAX (IEEE 802.16e-2005) trial network in Tokyo. Motorola is supplying an end-to-end trial system including access points, network, and prototype WiMAX mobile handheld devices. The trial will enable SOFTBANK Group to assess the effectiveness of WiMAX as a wireless broadband technology, and its potential as an integrated part of SOFTBANK's growing portfolio of telecommunications services. Expected to begin in September 2006, the five-month trial will focus on performance of WiMAX in the 2.5GHz spectrum with regards to throughput and range, as well as the speed of network handovers between access points.

SOFTBANK Group aims to offer seamless mobility to customers in Japan with its mobile communications, fixed-line telecommunications and fixed-line broadband services. The company acquired Vodafone K.K., which is the third largest mobile service operator in Japan, in April 2006. SOFTBANK Group currently has more than 26 million fixed-line and mobile communications customers in Japan.

Motorola will be deploying five WiMAX access points and 25 prototype WiMAX mobile handheld devices. The trial will also showcase MIMO (multi-input, multi-output) capabilities of Motorola's WiMAX solutions in supporting multi-antenna telecommunications systems as well as enabling greater data throughput and range. Motorola will provide technical support throughout the WiMAX trial. The company recently won a nationwide contract to deploy a WiMAX 802.16e network in Pakistan. For more information about Motorola's MOTOwi4 solutions see [www.motorola.com/wi4](http://www.motorola.com/wi4). More information on SOFTBANK is at [www.softbank.co.jp](http://www.softbank.co.jp).

## Fujitsu Introduces Its Mobile WiMAX System-on-Chip Solution and Roadmap

From BBP Wires

WASHINGTON, DC — Fujitsu Microelectronics America says its Mobile WiMAX System-on-Chip solution includes a scalable 1024 Fast Fourier Transform (FFT) OFDMA PHY and full MAC Processors; adaptive modulation schemes including 64QAM, 16QAM, QPSK, and BPSK; and an interface for MIMO RF modules, all in a small-footprint FBGA package.

While Fujitsu supports a range of applications in the 802.16 (WiMAX) market, the company believes that fixed solutions will be complemented, not displaced, by emerging WiMAX mobility solutions. Many vendors, in contrast, say that going purely to the mobile standard, which can be used by fixed installations, makes more sense; the fixed standard cannot be used for mobile installs. But applications such as wireless VPN, disaster recovery, wireless backhaul and broadcast-quality streaming media will continue to be best served by fixed WiMAX, says Fujitsu.

High-speed vehicular data sharing, consumer-in-motion and mobile appliance connectivity will require mobile WiMAX.

Engineering samples will be available in 1Q 2007. Systems using the Fujitsu mobile WiMAX SoC will be submitted to the WiMAX Forum for certification in 3Q 2007. Fujitsu plans multiple releases; its initial release will provide the broadband SoC to deliver MIMO Wave 2 certification compliance. Second and third releases will follow to support full mobility, VoIP and multimedia applications over mobile appliances. See [us.fujitsu.com/micro/wimax](http://us.fujitsu.com/micro/wimax).

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