

R. L. Drake Displays New Video Hardware

From BBP Wires

FRANKLIN, OH – R.L. Drake (www.rldrake.com) is showing hardware for a new end-to-end video delivery system, The BBT Solution, at the Broadband Properties Summit in Dallas, Texas. Beyond Broadband Technology (BBT, www.bbtsolution.com) has developed this new downloadable security system for content access control, based in part on components from Drake. The BBT Solution allows PCOs and cable operators to provide inexpensive, highly secure digital video delivery.

The complete solution comprises an uplink facility, cost-effective headend equipment and a low-cost, feature-rich set-top device. The uplink facility aggregates more than 200 SD and HD video channels and encodes them into MPEG4 signals. The headend is designed around Drake's latest Intelligent Transcoder, the SCT2x4, which combines a satellite receiver,

MPEG multiplexer and QAM modulators into one unit so the operator can easily and affordably groom the signals into efficient QAM channels. R. L. Drake also designed and will be the first manufacturer of the set-top device. Drake's set-top device for BBT supports analog, digital and HDTV signals encoded in either MPEG2 or MPEG4 and converts them into the required format for the customer's television. Because The BBT Solution is an open-standard system, other manufacturers will also eventually build set-top devices for it. One of BBT's key principles is not to allow a single vendor to control the entire set-top device market.

The complete headend has a target price below \$20,000, and Drake's set-top device is expected to be priced below offerings from other manufacturers that have fewer features.

Corning Cable Systems Licenses Technology to Preformed Line Products

From BBP Wires

HICKORY, NC – Corning Cable Systems (www.corning.com/cablesystems), part of Corning Incorporated's Telecommunications segment, and Preformed Line Products Company (www.preformed.com) announced the signing of an agreement that provides PLP with a nonexclusive license to certain of Corning's optical fiber terminal patents.

Corning will also be supplying PLP with its OptiTap Connectors, factory-terminated, environmentally sealed and hardened

connectors for use in drop cable deployments in optical access networks. The hardened connector is designed to reduce the terminal and drop cable installation time for subscriber connection, thereby reducing the total installed cost of deployment.

PLP says that the combination of its COYOTE Closure designs with Corning's OptiTap Connector technology can advance the use of cost-effective preconnectorized products in FTTx deployments.

OFS Announces Solution for Fiber-to-the-MDU Deployments

From BBP Wires

SAN JOSE, CA – OFS (www.ofsoptics.com), a designer, manufacturer, and supplier of fiber optic products, announced a new and improved solution for installing fiber within multiple dwelling units (MDUs). Service providers often encounter cost and space barriers when installing fiber to apartment and condominium units. OFS says its new MDU solution, which supports in-building PON or point-to-point fiber networks to each living unit, can help cut installation time, space, and labor cost by as much as 50 percent.

John George, Director of FTTX Solutions at OFS, com-

ments, "The new MDU solution will provide a fully standards-compliant 'plug and play' optical path from the cable entry point to the unit within MDUs, utilizing new cables and components featuring OFS' bend-optimized AllWave FLEX ZWP fiber. AllWave FLEX fiber enables the system to route through tight bends in MDU buildings while inconspicuously fitting in compact spaces."

Built using a design originally patented by OFS' predecessor Bell Labs in 1986, the bend-optimized AllWave FLEX fiber was introduced to the market in March 2006 and today is the standard in many OFS products and solutions.

AFOP Devices Complete Third-Party ITL Qualification

From BBP Wires

SUNNYVALE, CA – Alliance Fiber Optic Products Inc. (www.afop.com), a supplier of fiber-optic components, subsystems, and integrated modules for the optical network equipment market, announced that its SC/UPC, LC/UPC, and LC/APC pigtailed have successfully completed Independent Test Laboratory qualification to the rigorous GR-326 require-

ments. The company's filter WDM modules also successfully completed GR 1209 and GR 1221 qualification recently. These add to the SC/APC pigtail GR-326 qualification already completed last year. AFOP CEO Peter Chang says that its efforts to qualify its fiber optic components have resulted its being able to supply components to Verizon's FiOS network build.

ADC Expands Consultant Program to Include Fiber Products

From BBP Wires

MINNEAPOLIS – ADC (www.adc.com) says it is expanding its Professional Architects, Consultants and Engineers (PACE) Program to include information and support for its OmniReach network infrastructure solutions for fiber-to-the-x applications. The PACE Program is designed to support consultants and designers who serve current and potential ADC enterprise and service provider customers.

By providing information on solutions like OmniReach, the

PACE Program makes it easy for consultants to work with and recommend ADC, while at the same time demonstrating the company's market awareness as a technology leader and innovator. The program includes:

- Ongoing subject-matter expertise;
- Simple and concise content delivery, portal navigation and dedicated partner support; and
- Easily accessible and simple design and proposal tools.

Tellabs Routers Accepted by RUS

From BBP Wires

NAPERVILLE, IL – Tellabs (www.tellabs.com) announced that its 8800 Multiservice Router (MSR) series recently joined the list of Tellabs products accepted by the US Department of Agriculture's Rural Utilities Service (RUS). This allows independent telcos to finance this equipment with low-interest government loans.

The Tellabs 8800 MSR integrates carrier Ethernet, IP/MPLS, ATM, SONET and TDM technology on a single platform. This solution embeds intelligence into the network, enabling providers to leverage their current infrastructures to offer advanced

video, voice and Internet. It also provides seamless integration to existing Tellabs access equipment that is already deployed in many networks.

In addition to the Tellabs 8800 MSR, the Tellabs 1000 Multi-service Access Series, the Tellabs 1100 Multiservice Access Series and the Tellabs 1600 family of Optical Network Terminals have RUS acceptance. Used together, these products provide complete communications solutions from the video headend all the way to the home.

Superior Essex All-Dry Ribbon Fiber Cable Receives Telcordia Approval

From BBP Wires

ATLANTA, GA – Superior Essex (www.superioressex.com), one of the largest wire and cable manufacturers in the world, today announced that its Dri-Lite all-dry ribbon fiber cable product line has been qualified by Telcordia Technologies to meet the fiber optic cable requirements of industry standard GR-20. Telcordia, an independent testing and consulting company for the communications industry, has previously qualified Superior Essex's gel-filled fiber cable product portfolio. Dri-Lite cable products have also been tested to comply with the Rural Development Utilities Pro-

gram (RDUP)'s specification for fiber optic cables.

The Dri-Lite product line uses proprietary technology to achieve water blocking without the use of gel filling compounds. Some customers prefer all-dry designs for fiber cable because water-blocking gels require cleanup and add time to the cable installation process.

Superior Essex currently offers Dri-Lite cables in armored and all-dielectric designs for fiber counts up to 216. Additional cable sizes are expected to receive qualification status later this year.

Occam Networks Adds High-Def ONT for MDUs

From BBP Wires

SANTA BARBARA, CA – Occam Networks (www.occam-networks.com) announced the availability of a new Optical Network Terminal (ONT) for multiple dwelling unit/multiple tenant unit (MDU/MTU) environments. Occam designed the ON 2351 to deliver triple play services – including traditional telephone service, VoIP, high-speed data, and multiple high-definition video streams – to up to four residences or businesses.

Integrated station wiring with rocker block termination allows telcos to add new subscribers in as little as five minutes.

Thermal management design eliminates the need to calculate heat loads when adding modules. Telcos can locate the ON 2351 on a building's outside wall, at a common service area or inside a communications closet. It features a hardened, weatherproof enclosure and a low-profile, aesthetically pleasing design.

Occam's IP Security Management enables dynamic "hands free" network security that is more secure than a traditional ATM circuit-oriented architecture, while maintaining the cost efficiencies in both the capital and operations of DHCP+IP+Ethernet.

Enablence Demonstrates PLC Transceiver in a Fiber-to-the-Home System

From BBP Wires

OTTAWA, ONTARIO – Enablence Technologies Inc. (www.enablence.com), which develops fiber-to-the-home transceivers for optical modems, demonstrated an operational FTTH system using its Planar Lightwave Circuit (PLC)-based transceiver at its annual meeting this month. The demonstration was the first public display of triple-play services running on an integrated PLC-based transceiver inside a commercially available fiber-to-the-home system. The network was running high-definition television (HDTV), Internet, voice and data services on a single optical fiber over a 20 km distance.

Arvind Chhatbar, CEO of Enablence, says, "The introduction of a truly PLC-based transceiver for FTTH represents a major milestone in the industry, as it now provides the long awaited low-cost solution for optical network terminals. This will increase the pace with which FTTH deployments can take place and allow the average consumer to finally have access to true broadband at a low cost."

Enablence's PLC-based transceivers have now successfully passed all required Telcordia mechanical integrity tests for product qualification, and the remaining environmental stress tests are underway.

ETI Software Solutions Launches TV Ticket

From BBP Wires

ATLANTA – Enhanced Telecommunications (ETI Software Solutions, www.etisoftware.com), a provider of service activation software, has launched TV Ticket to deliver prepaid subscription video services, Pay-Per-View (PPV), Impulse-Pay-Per-View (IPPV) or Video-On-Demand (VOD) services.

ETI's TV Ticket operates with service providers' existing IPTV or RF video systems, enabling them to accept prepayments and tap into revenue from previously unattainable subscribers. Subscribers can purchase and self-

activate subscription, PPV, IPTV or Video-on-Demand services by purchasing prepaid TV Tickets from any authorized distributor.

Each TV Ticket is assigned a unique authorization code concealed on the back of the card. Once the card is purchased and the authorization code is revealed, the subscriber may self-activate the card immediately via an Interactive Voice Response System to provision the desired package, channel or PPV event.

TXP Launches New ONT Mounting Kits for Multitenant Buildings – Solves Powering Problem

From *BBP Wires*

RICHARDSON, TX – TXP (www.txpcorporation.com), a provider of GPON Optical Network Terminal (ONT) solutions for customer premises, announced a new set of Multi-Business Unit/Multi-Dwelling Unit (MBU/MDU) mounting kits designed to significantly lower installation costs and improve service in multitenant FTTP-based service delivery applications. Today, service providers use special shelf-based units to install customer-premises equipment in multitenant buildings – an expensive solution and a problematic one, since landlords often do not want to accept responsibility for providing bulk power. TXP's new kits, which will be available in the fourth quarter of this year, allow providers to bundle

ordinary single-family ONTs, making installation cheaper and simpler. With TXP's power-over-Ethernet capability, each ONT can be powered from a UPS installed inside the subscriber's home. In addition, the new kits allow providers to bundle different types of ONTs, so that each customer has the right equipment to deliver the specific services requested. In effect, this configuration allows the carrier to deliver the same grade of service it delivers to the single-family residence to the MDU dweller, and in the same manner. Each kit includes mounting and cable management hardware, enclosure and optional optical splitter. Enclosures are available for indoor and outdoor applications.

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