



Calix Introduces Five New Line Cards to its C7 Multiservice Access Platform, Significantly Enhancing Platform Capacity and Expanding Ethernet Services Over Copper and Fiber

New EXA Powered Line Cards Enable 10 Gigabit per Second Ethernet Transport, VDSL2 and GPON Services, and Gateway Functionality for Service Providers Embracing an All-Video World

February 1, 2010, PETALUMA, CA—[Calix](#), a leading provider in North America of broadband communications access systems and software for copper- and fiber-based network architectures that enable communications service providers (CSPs) to connect to their residential and business subscribers, today introduced five new line cards that significantly enhance the capacity and Ethernet capabilities of the [C7 Multiservice Access Platform \(MSAP\)](#)—North America’s leading multiservice access platform (MSAP) (Infonetics Research, 11/2009). These new line cards bring 10 gigabit per second (Gbps) Ethernet transport and aggregation functionality, very high speed digital subscriber line 2 (VDSL2) and enhanced gigabit passive optical networking (GPON) services, as well as Ethernet gateway functionality to North America’s most versatile MSAP, which now features 47 individual line card options to meet the diverse service requirements of today’s CSPs.

Deployed at over 500 North American and international CSPs whose networks serve more than 32 million subscriber lines, the C7 enables these CSPs to evolve to advanced Ethernet and fiber-based services from existing copper-based legacy service offerings like plain old telephone services (POTS) and special business circuits. Leveraging the Calix [Ethernet eXtensible Architecture \(EXA\)](#), an Ethernet kernel based on industry standard protocols and focused on the requirements of the access network, the new EXA Powered C7 line cards further enhance this evolutionary path, delivering more capacity, higher bandwidth services across both copper and fiber, and more flexibility in bridging legacy services and advanced Ethernet services in a single, manageable platform.

“Seven years ago, we were the first Calix customer to install the C7, choosing it because of its flexibility to deliver both a high-capacity SONET transport as well as robust voice and broadband services in one platform,” said Gene Baldwin, vice president at Cimarron Telephone, a subsidiary of MBO Corporation in Oklahoma. “Today, our service requirements have evolved to require 10 Gbps Ethernet transport and the flexibility to support advanced IP-based solutions like Microsoft Mediaroom to our subscribers over both copper and fiber. The C7 is able to seamlessly support this migration without leaving our existing investment behind. The C7 has lived up to its promise, allowing us to cost-effectively and efficiently migrate our network to deploy new services, rapidly capture new revenue opportunities, and maintain a long-term, sustained competitive advantage.”

New EXA Powered Line Cards Expand Service Capacity While Simplifying Service Delivery

The new EXA Powered C7 line cards share a common software core with other Calix E-Series platforms, including the new E7 Ethernet Service Access Platform (ESAP). This commonality not only

provides engineering efficiencies across the Calix Unified Access portfolio, but allows the C7 MSAP and E7 ESAP platforms to work harmoniously in the access network despite their differences in form factor and functionality, easing the complexities of service delivery and network expansion and delivering the extensibility necessary for an all-video world. In addition, each new card is fully compatible with the existing stable of C7 cards, allowing for simple service migration and preservation of necessary legacy services.

The new EXA Powered C7 line cards deliver the following value to CSPs:

- **The RAP-10GE forms the core of the EXA Powered C7**, operating as the common control unit for the C7 and delivering carrier-grade, ERPS ring protected 10 Gbps and 1 Gbps transport interfaces, full Metro Ethernet Forum (MEF) service assurance and compliance, as well as a 150 Gbps switching fabric.
- **The COMBO2-24V and VDSL2-24 deliver high density VDSL2 services**, including seamless fallback to ADSL2+, Annex M, and bonding support, in a single-slot form factor that allows for 1:1 replacement of existing Calix ADSL cards for operational simplicity.
- **The Ethernet Gateway (EGW) acts as a gateway for the existing base of C7 multiprotocol line cards**, allowing existing cards to leverage the Ethernet transport infrastructure of the EXA Powered C7.
- **The OLTG-4E delivers up to four GPON ports per card**, supporting any mix of standard or Extended Reach GPON optical interface modules.

“Advanced Broadband services were in their infancy when Calix first introduced the C7 to the market seven years ago, yet it was clear that over time networks would need to increase capacity in order to support the robust growth in services and bandwidth that broadband proliferation would drive,” said Matt Davis, director of telecom services at IDC. “Calix recognized that the efficiency of network and service migration was paramount to long-term service provider success. For those service providers who invested in the C7, the new EXA Powered line cards offer a path to efficiently supporting the new broadband-generated applications that we see emerging in the future.”

Calix is also today introducing six new residential optical network terminals (ONTs). The new 700GE ONT family builds on the extensive capabilities of the 700GX ONT family by introducing two or four gigabit Ethernet ports on each 700GE ONT. Like the 700GX ONT family, each 700GE ONT is capable of auto-detecting both GPON and Active Ethernet transport. Each GE access port on the 700GE ONTs is also designed to deliver a full 1 Gbps of bandwidth in both the upstream and the downstream, and can also support multiple services and virtual local area networks (VLANs), providing exceptional flexibility and efficiency.

The Calix EXA Powered line cards and 700GE ONTs will be on display in the Calix booths 500-503 at the National Telecommunications Cooperative Association 2010 Annual Meeting and Expo in Tampa, Florida February 2-3.

About Calix

Calix is a leading provider in North America of broadband communications access systems and software for copper- and fiber- based network architectures that enable communications service providers to connect to their residential and business subscribers. Calix enables communications service providers to provide a wide range of revenue-generating services, from basic voice and data to advanced broadband services, over legacy and next-generation access networks. Calix access innovation helps these companies to transform their legacy and mixed protocol access networks to fiber and Ethernet. Calix has shipped over six million ports of its Unified Access Infrastructure portfolio to more than 500 North American and international customers, whose networks serve over 32 million subscriber lines in total. For more information, visit the Calix website at www.calix.com.

This press release may contain forward-looking statements that are based upon management's current expectations and are inherently uncertain. Forward-looking statements are based upon information available to us as of the date of this release and we assume no obligation to revise or update any such forward-looking statement to reflect any event or circumstance after the date of this release. Actual results and the timing of events could differ materially from current expectations.

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