Calix AXOS System Line!

Classic access networks are being replaced by software-based access platforms. Nevertheless, systems are needed that take over the functions of the data plane. To find a solution for these demands, Calix has developed the "AXOS Intelligent Access Edge" system line, or "E-Series" for short, which forms the basis for its Software Defined Access (SDA) platforms.

What can the E-Series do?

Modular:

The AXOS E-Series line consists of various form factors and power modules, is designed for high availability and is suitable for a wide range of access network applications. AXOS E-Series systems support both centralized and distributed architectures.

Performant:

Called intelligent Access EDGE Insights, it enables service providers to monitor network performance more effectively and troubleshoot performance issues more efficiently. Access EDGE Insights are delivered via the Calix Remote Monitoring Service. This is a cloud-based managed service offering that provides service providers with better visibility and analysis to quickly resolve network issues that can impact the customer experience.
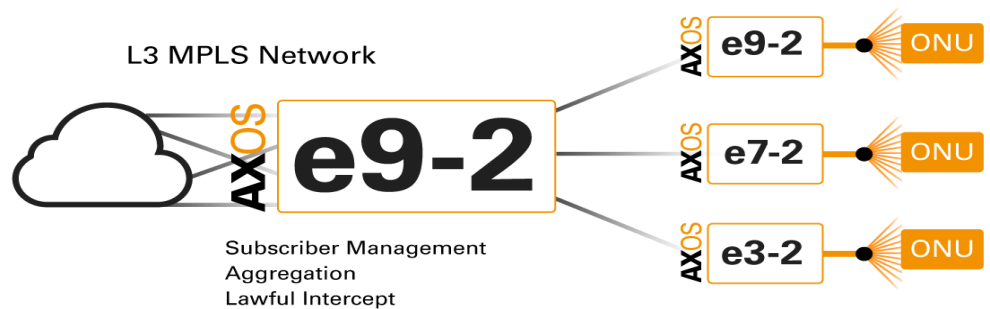
Simple:

The AXOS Intelligent Access Edge line enables network simplification by reducing the number of network elements to be managed. This leads to a significant reduction in complexity and consequently to relevant cost savings. Calix's line supports **two Layer** 3 configurations to provide maximum flexibility.

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The first configuration simplifies access and edge networks. The network functions routing, subscriber management, aggregation and optical line terminal (OLT) are combined in a single system. This allows the system to be placed closer to customers.

L3 Network

AXOS

e9-2

ONU

The second configuration enables so-called "distributed access architectures," i.e., to distribute the OLTs in the coverage area. Here too, routing, subscriber management and aggregation functions can be combined on a single system, while the OLT functions are taken over by traditional Layer 2 OLTs.

L3 MPLS Network

AXOS

e9-2

Subscriber Management
Aggregation
Lawful Intercept

AXOS **e9-2** ONU

AXOS **e7-2** ONU

AXOS **e3-2** ONU

Direct comparison of the systems

Calix E9-2	Calix E7-2	Calix E3-2
As described above in the two configurations, the Calix E9-2 line consists of one or more E9-2 systems, which can also be aggregated via so-called System Aggregation & Control Cards (CLX3001) if required. It is an aggregated E9-2 system, which reduces complexity and consequently simplifies operation and lowers operating costs. The modular compact 2U system allows the access platform to be developed economically and tailored to the needs.	The Calix E7-2 modular chassis enables a "pay-as-you-grow" architecture, which combines the advantages of a small form factor product and a large chassis-based system. The compact design (one height unit) allows you to benefit from lower costs from the start, and up to 20 line cards can be managed as a single chassis, greatly increasing operational efficiency. The compact system delivers PON and Ethernet with 10GE transport. You can build your access platform exclusively with E7-2 systems or as shown graphically above, in combination with E9-2.	Service providers choose the AXOS E3-2 system because of its reliability, lower total cost of ownership, and constant uptime. The system can be deployed anywhere and can be mounted in a cabinet or even on a pole. This flexibility dramatically reduces costs while speeding system setup and commissioning. The AXOS E3-2 can now also provide XGS-based services in virtually any location, even in those areas with challenging environmental conditions.