



ENTRA® All-PON™ XGS-PON Solution



Vecima's Entra All-PON™ Solutions enable operators to scale fiber access while maintaining control over network deployment decisions as networks evolve. The **Entra XGS-PON Solution** combines purpose-built access hardware for both headend and remote deployments with centralized, cloud-native control. Realizing XGS-PON's full potential requires a deployment and management framework that integrates automation, flexibility, and visibility into a single solution platform.

Entra XGS-PON Solution core components:

1. Innovative, web-based service provisioning with **Entra vPON Manager™**, purpose-built for today's PON environments, bringing creative automation, visibility, and control to XGS-PON deployments
2. The **Entra EXS1610-XGS Shelf Optical Line Terminal (OLT)** - best-in-class ITU PON platform that supports XGS-PON for 10G, GPON, and Combo PON (XGS-PON & GPON) services today, with a migration path to 50G and 100G services in the future.
3. Vecima's **Open Network Ecosystem** of interoperable third-party ONU/ONT partners, ensures no single-vendor lock-in while delivering industry-leading investment protection and interoperability.

Reliable

Vecima's XGS-PON solution is open and built for high availability across all components. Reliable interoperability you can trust.

Flexible

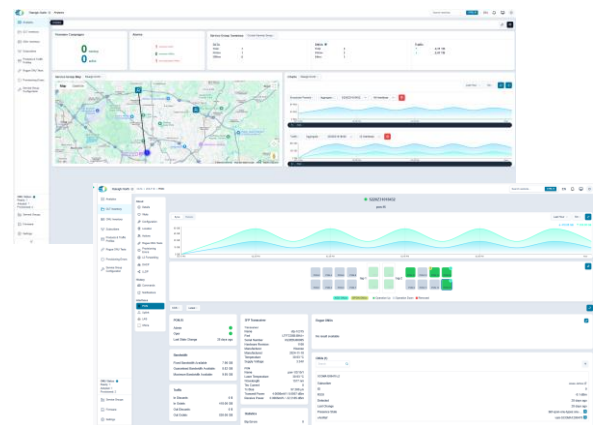
Vecima PON works the way you choose—full GUI or pure API into your OSS/BSS. Cloud-native and open. We make it fit your access network.

Simplified

Built for speed and scale. Lean. Flexible. Plug-and-play, ready to integrate into any access network.

Entra vPON Manager: Manage Subscriber & PON Provisioning Back Office Integration, Telemetry

- Web UI for simplified XGS-PON and GPON service provisioning
- Cloud-native software – on-prem or public
- Immersive user experience
- Northbound OSS partner integration via Standards-based REST APIs
- Inventory, firmware & detailed subscriber management
- Product: N:1, 1:1 services, QoS & Multi-TCONT support
- Provisioning scale with Service Group Framework - Inventory, Products, Subscribers
- Telemetry access for service assurance & service group monitoring
- Device Types: ONU/ONT Partners, Vecima EXS1610 OLT



Lab



On-Prem Cloud



Public & Hybrid Cloud

Firmware Mgmt.

Provisioning

Analytics

Controller

Container Native



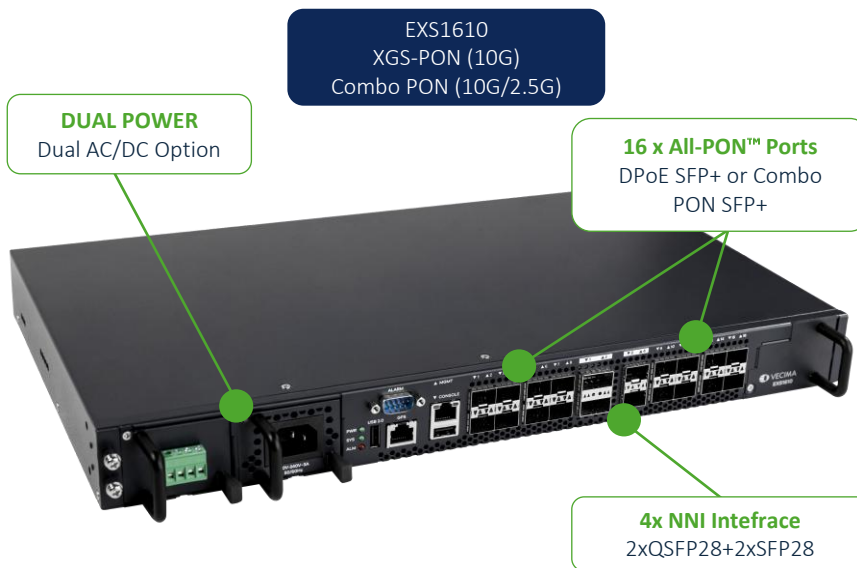
Vecima ITU PON OLTs



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Entra EXS1610-XGS Shelf OLT



- Combo PON Support (GPON/XGS-PON)
- Investment protection and simplified migration from GPON to XGS-PON

EXS1610 Features and Specifications

16 All-PON™ Ports XGS-PON, Combo PON (GPON/XGS-PON)
10G, 25G, 40G or 100G Redundant Uplink Ports
Temperature-hardened for OSP Deployments
1RU Chassis, <300mm Depth (ETSI)
290W Power Consumption Fully Loaded
Redundant AC or DC Power Supplies
Managed via vPON Manager (XGS-PON/GPON) or EAC (DPoE)

ONU/ONT Interop Partners

With our Open Network Ecosystem (ONE), Vecima interoperates with customer-preferred third-party ONU/ONT for committed deployments.

Management Integration Partners

In addition, through integration with Service Activation Center (SAC) from Incognito Software Systems Inc., subscriber service activation with the Vecima XGS-PON Solution now includes MDU multi-tenant ONU port activation and provisioning.

