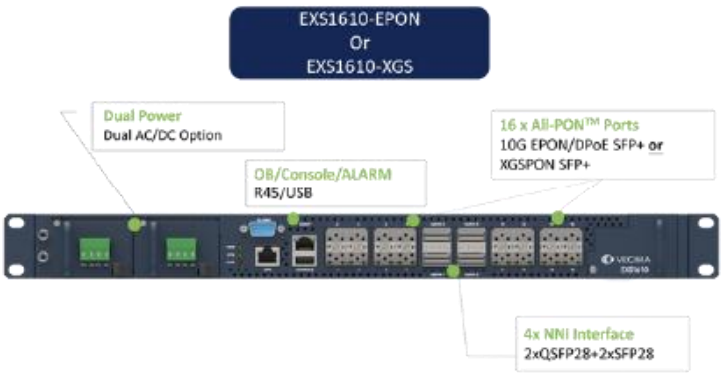
ENTRA®

EXS1610 ALL-PON™ SHELF

The Entra® EXS1610 Shelf is a passive optical network (PON) access optical line terminal (OLT) that supports the following protocols:

- IEEE 10G-Ethernet PON (10G EPON)
- CableLabs Standard DOCSIS® Provisioning over EPON (DpoE)
- ITU-T XGS-PON

Service providers can shorten time to market and achieve faster time-to-service for fiber broadband services. The EXS1610 All-PON Shelf™, along with the rest of Vecima's PON portfolio, supports broad fiber deployment use cases, including greenfield projects; hot-spot brownfield rollouts; rural, hybrid fiber-coax (HFC) overbuilds; footprint extensions; and hub collapse projects.



Highlights

- 16 x PON ports: 10G EPON or XGS-PON
- Multivendor ONT/ONU Interoperability through Vecima's Open Network Ecosystem
- Uplink: 2 × 100/40G and 2 × 25/10G
- <300mm depth designed for ETSI rack
- 1+1 AC or DC power redundancy
- Temperature-hardened shelf for OSP deployments

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Specifications

Hardware Specifications	
External Interfaces	16 x all-PON ports 2 x 100G/40G QSFP28 ports 2 x 25G/10G SFP28 ports
Supported PON Technology	ITU-T XGS-PON IEEE GEPON IEEE 10G EPON
Power Module	
Power Module Slots	Dual redundant
Type	AC/DC dual-power supply
AC Power Input	100 to 240 V AC
DC Power Input	-38.4 to -72 V DC
Power Consumption	290 watts max
Fan Tray and Module	
Dual-redundant power module slots	
AC/DC dual-power supply	
AC power input: 100 to 240 V AC	
DC power input: -38.4 to -72 v DC	
Power consumption: 290 watts max	

Physical	
Height	1.7 in (44.5 mm)
Width	17.3 in (440 mm)
Depth	10.2 in (260 mm)
Weight	<50 lb (22.7 kg) (Typical Configuration)
Operating Environment	
Temperature	-40 to 65 °C (-40 to 149 °F)
Humidity	10% to 95%, noncondensing

Certifications

EN 62368-1:2014+A11:2017 IEC 62368-1:2014
CAN/CSA C22.2 NO. 62368-1-14 ANSI/UL 62368-1, 2ND ED. FCC part 15 Subpart B (Class A) ICES-003 Issue 6
EN-55032:2015 / AC:2016 EN55024:2010 / A1:2015
ESTI 300 386 V2.1.1
AS/NZS CISPR 32:2013
EN 61000-3 2:2014
EN 61000-3 3:2013

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