

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

**ENTRA®**

## EXS1610 ALL-PON™ SHELF

### 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 GEAPON               |
|                          | 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