



ENTRA®

EEM210 10G EPON Module

The Entra® EEM210 is a stand-alone 10G EPON module that fits into Vecima GAP EN9000 and EN3400 nodes as well as 3rd party nodes for global deployments. It offers two 10 Gb/s Ethernet Passive Optical Network (EPON) ports and two 10 Gb/s Ethernet uplinks, providing cable operators with a fiber-to-the-home (FTTH) solution using DOCSIS® provisioning over EPON (DPoE™). Managed by Vecima's Entra Access Controller, the EEM210 is a key part of the Entra 10G EPON product portfolio.



Highlights

- Fiber-to-the-home (FTTH) solution using DOCSIS provisioning over EPON (DPoE)
- 10G EPON module fits in new and existing nodes.
- Supports global deployments
- Two 10 Gb/s Ethernet Passive Optical Network (EPON) ports and two 10 Gb/s Ethernet uplinks.
- Can be deployed together with SF-4X, EXS1610 leveraging the same Entra Access Controller Software for investment protection and simplified certification and deployment
- Interoperable with Vecima Entra EN9000, Entra EN3400, and other third-party nodes.

**ENTRA®**

EEM210 10G EPON Module

Specifications

Dimensions	
Height	62 mm (2.5 in)
Width	164 mm (6.5 in)
Depth	193 mm (7.6 in)
Weight	1.3 Kg (2.8 lbs)
Operating Environment	
Temperature	-40 to 60 °C (-40 to 140 °F)
Relative Humidity (operational)	5% to 95%, noncondensing
Altitude	-196 to 13,123 ft (-60 to 4,000 m)
Mounting Options	
Node-specific adapter kit (with included captive mounting screws)	
Power Requirements & Interfaces	
Power	25V +/- 5%
	1.8 A typical, 2.2 A max
	45 W typical, 55 W max
Interfaces	2 ports of 10Gb/s EPON for subscriber access
	2 ports of 10 Gb/s for uplinks

Supported XFP Optical Modules for PON	
Turbo EPON, 10G EPON type 4	
Supported SFP+ Optical Modules for Uplinks	
ER, LR, BX-D, ZR, CWDM, DWDM: ZR	
Standards Compliance	
Safety	IEC 62638-1
	FCC Part 15B
EMC	ICES-003
	EN55032
	VCCI CISPR 32
Environmental	RoHS