

CEX-WDM-MOD

Base Product

Coexistence Element (CEX) Modules

- *Product complies with the Build America, Buy America Act (BABAA) requirements of the Infrastructure Investment and Jobs Act of 2021 (Pub. L. 117- 58, §§ 70901-70953), or is the subject of a waiver approved by the Secretary of Commerce or designee. Compliance requirements and waiver applicability vary based on government funding program. Check the laws and regulations for your specific program.

Upgrading your existing passive optical network (PON) enables increased data speed and the delivery of additional services without fully replacing existing PON infrastructure.

CommScope's passive optical devices support your migration to next-generation PON (XGS-PON or NG-PON2) services while controlling costs. Our portfolio of coexistence (CEX) modules are integrated into the network near the optical line terminal (OLT), enabling existing PON services to coexist with XGS-PON, NG-PON2, RF video, optical time domain reflectometer (OTDR), as well as other current and future technologies. The GPON port passband, 1290-1500nm, allows for future 25/50G services. The purpose of an upgrade port is to be able to add services not already in use, i.e. XGS-PON, RF, NG-PON2, OTDR.

CommScope's LGX CEx portfolio of solutions meet OSP requirements of -40°C to +70°C operating temperature environments, and our NG4 CEx portfolio of solutions meet ISP requirements of -10°C to +65°C operating temperature environments.

LGX products are tested to IEC 61300-2-1, -9, -21, -22, -26 and GR-1209 requirements. NG4 products are tested to GR-63 requirements.

Product Classification

Regional Availability	Asia Australia/New Zealand China EMEA India Latin America North America
Product Type	Coexistence Element (CEX)
Government Funding	Build America Buy America (BABA) compliant*

General Specifications

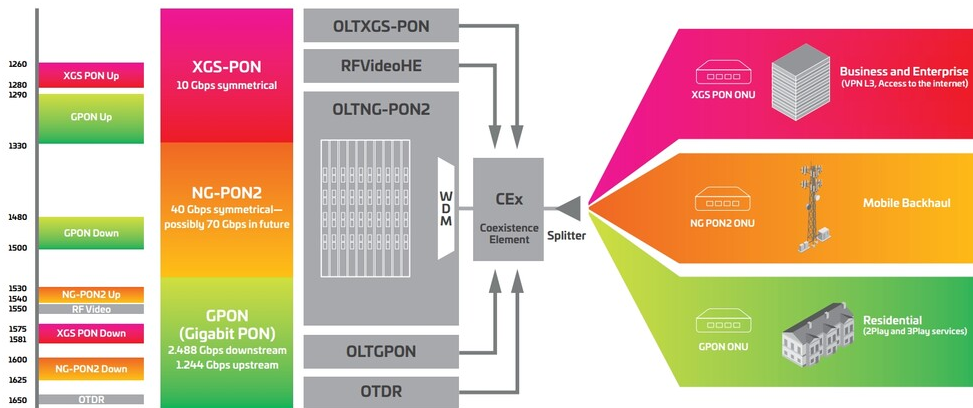
Interface, Input	LC/APC LC/UPC SC/APC SC/UPC
Interface, Output	LC/APC LC/UPC SC/APC SC/UPC

Port Configuration

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Module Type	Networks/Services	Wavelengths (nm)
CEx 1	GPON/25G	1290 - 1500
	UPG	1260-1280 & 1525-1650
CEx 2	GPON/25G	1290 - 1500
	XGS-PON UPG	1260 - 1280; 1575 - 1581 1525-1560 & 1596-1650
CEx 3	GPON/25G	1290 - 1500
	RF UPG	1550 - 1560 1260-1280 & 1525-1540 & 1575-1650
CEx 4	GPON/25G	1290 - 1500
	XGS-PON	1260 - 1280 & 1575 - 1581
	NG-PON2 UPG	1524-1544 & 1596-1603 1550-1560 & 1613-1650
CEx 5	PON (COMBI)	1260-1500nm & 1575-1581nm
	UPG	1525-1565nm & 1596-1650nm

Block Diagram



Environmental Specifications

Relative Humidity 5%–95%, non-condensing

Packaging and Weights

Packaging quantity 1