LX1SXD04AAN

Single Width LGX Module, CEx 4, 4 circuits, LC/APC connectors

- *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.

Product Classification

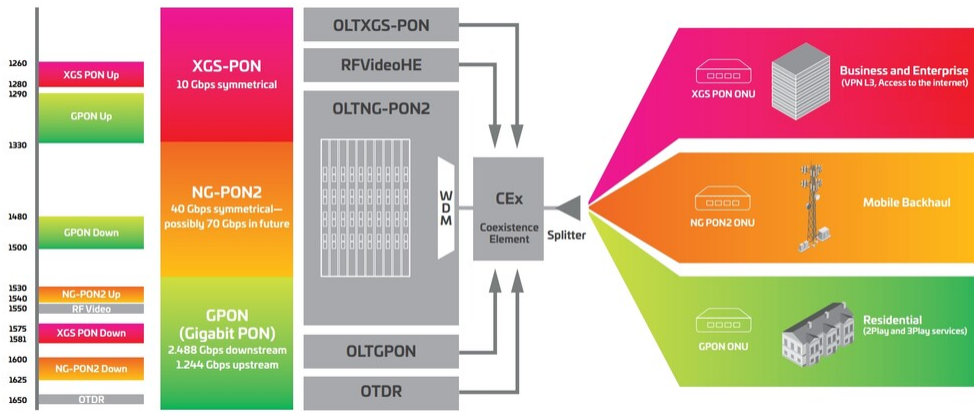|	
Regional Availability	Asia | Australia/New Zealand | China | EMEA | India | Latin America | North America
Product Type	Coexistence Element (CEx)
Product Series	LGX
Government Funding	Build America Buy America (BABA) compliant*

General Specifications

Circuits, quantity	4
Interface, Input	LC/APC
Interface, Output	LC/APC

Port Configuration

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

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Block Diagram

Optical Specifications

Directivity, minimum	50 dB
Input Power, maximum	200 mW
Passband	GPON: 1290-1500 nm	NG-PON2: 1524-1544 nm & 1596-1603 nm	UPG: 1550-1560 nm & 1613-1650 nm	XGS-PON: 1260-1280 nm & 1575-1581 nm
Polarization Dependent Loss, maximum	0.3 dB
Polarization Mode Dispersion, maximum	0.5 ps
Insertion Loss, including connectors	COM to GPON: ≤ 0.8 dB	COM to NGPON2: ≤ 1.4 dB	COM to UPG: ≤ 1.4 dB	COM to XGS-PON: ≤ 1.2 dB
Isolation	COM to GPON: ≥ 30 dB	COM to NG-PON2: ≥ 30dB	COM to UPG: ≥ 15 dB	COM to XGS-PON: ≥ 30 dB
Return Loss, minimum	50 dB

Environmental Specifications

Operating Temperature	-40 °C to +70 °C (-40 °F to +158 °F)
Relative Humidity	5%−95%, non-condensing
Qualification Standards	IEC 61300-2-1	Telcordia GR-1209-CORE

Packaging and Weights

Packaging quantity	1

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