

# LX1SXD02CCN

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## Single Width LGX Module, CEx 4, 2 circuits, SC/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

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

## General Specifications

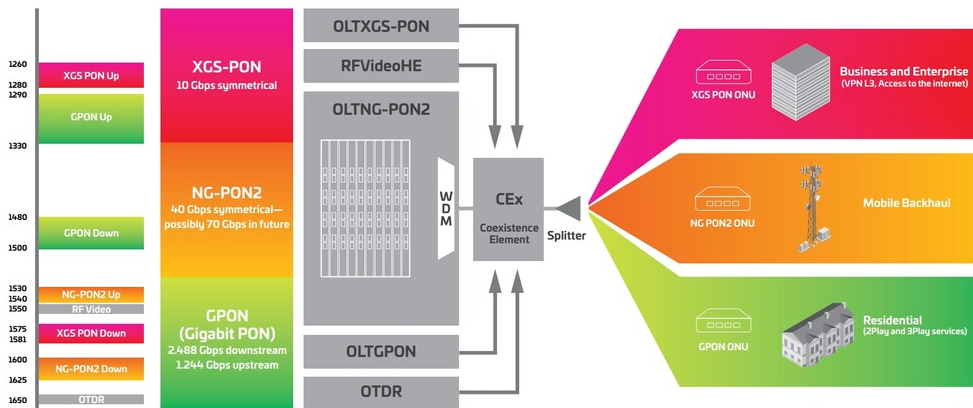
<b>Circuits, quantity</b>	2
<b>Interface, Input</b>	SC/APC
<b>Interface, Output</b>	SC/APC
<b>Location of Manufacturing</b>	Waived per BABA waiver for BEAD Program

## Port Configuration

# LX1SXD02CCN

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	1524-1544 & 1596-1603
CEx 5	PON (COMBI)	1260-1500nm & 1575-1581nm
	UPG	1525-1565nm & 1596-1650nm

## Block Diagram



## Optical Specifications

<b>Directivity, minimum</b>	50 dB
<b>Input Power, maximum</b>	200 mW
<b>Passband</b>	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
<b>Polarization Dependent Loss, maximum</b>	0.3 dB
<b>Polarization Mode Dispersion, maximum</b>	0.5 ps
<b>Insertion Loss, including connectors</b>	COM to GPON: ≤ 0.8 dB   COM to NGPON2: ≤ 1.4 dB   COM to UPG: ≤ 1.4

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dB | COM to XGS-PON:  $\leq 1.2$  dB

## Isolation

COM to GPON:  $\geq 30$  dB | COM to NG-PON2:  $\geq 30$ dB | COM to UPG:  $\geq 15$  dB | COM to XGS-PON:  $\geq 30$  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

## Regulatory Compliance/Certifications

### Agency

### Classification

CHINA-ROHS

Below maximum concentration value

REACH-SVHC

Compliant as per SVHC revision on [www.commscope.com/ProductCompliance](http://www.commscope.com/ProductCompliance)

ROHS

Compliant

UK-ROHS

Compliant

