

# NG4-VXLFC06AAN



## NG4 Module, CEx 3, 6 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

NG4

### Government Funding

Build America Buy America (BABA) compliant\*

## General Specifications

### Circuits, quantity

6

### Interface, Input

LC/APC

### Interface, Output

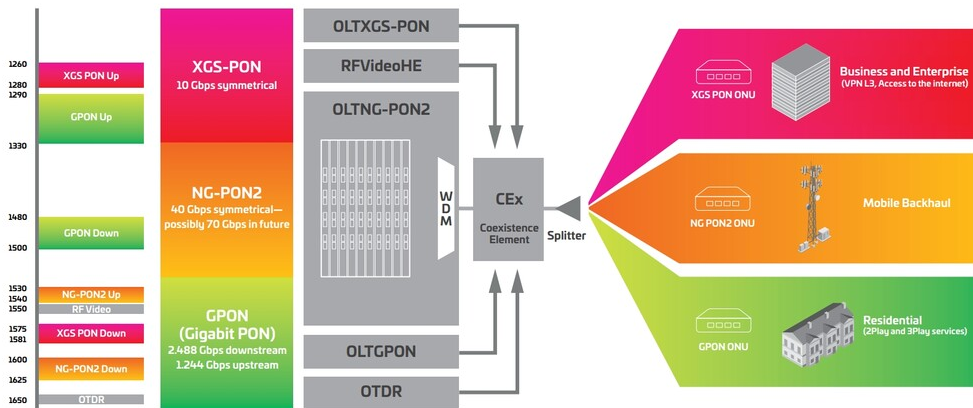
LC/APC

## Port Configuration

# NG4-VXLFC06AAN

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   RF: 1550-1560 nm   UPG: 1260-1280 nm, 1525-1540 nm & 1575-1650 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 RF: ≤ 1.2 dB   COM to UPG: ≤ 1.2 dB

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<b>Isolation</b>	COM to GPON: $\geq 30$ dB   COM to RF: $\geq 30$ dB   COM to UPG: $\geq 15$ dB
<b>Return Loss, minimum</b>	50 dB

## Environmental Specifications

<b>Operating Temperature</b>	-10 °C to +65 °C (+14 °F to +149 °F)
<b>Relative Humidity</b>	5%–95%, non-condensing
<b>Qualification Standards</b>	Telcordia GR-63

## Packaging and Weights

<b>Packaging quantity</b>	1
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## Regulatory Compliance/Certifications

<b>Agency</b>	<b>Classification</b>
CHINA-ROHS	Below maximum concentration value
REACH-SVHC	Compliant as per SVHC revision on <a href="https://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a>
ROHS	Compliant
UK-ROHS	Compliant

