

NG4-VXLFB06AAN



NG4 Module, CEx 2, 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

Location of Manufacturing

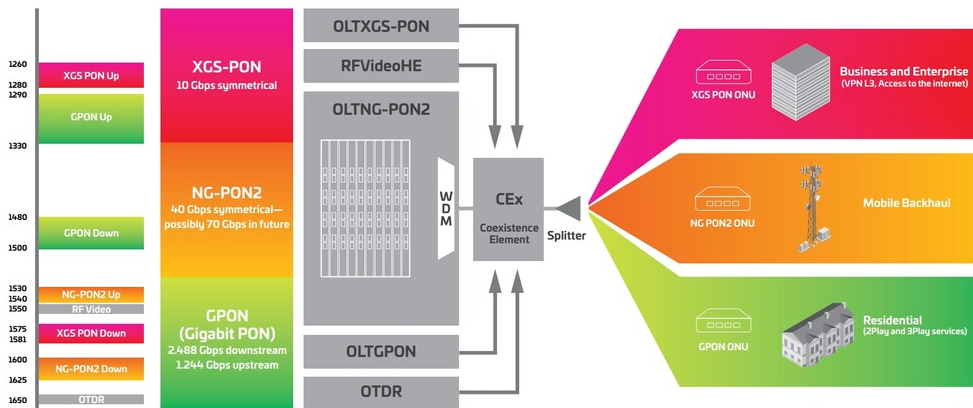
Waived per BABA waiver for BEAD Program

Port Configuration

NG4-VXLFB06AAN

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

Block Diagram



Optical Specifications

Directivity, minimum	50 dB
Input Power, maximum	200 mW
Passband	GPON: 1290-1500 nm UPG: 1525-1560 nm & 1596-1650 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 UPG: ≤ 1.2 dB COM to XGS-PON: ≤ 1.2 dB

NG4-VXLFB06AAN

Isolation	COM to GPON: ≥ 30 dB COM to UPG: ≥ 15 dB COM to XGS-PON: ≥ 30 dB
Return Loss, minimum	50 dB

Environmental Specifications

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

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
ROHS	Compliant
UK-ROHS	Compliant

