

NG4-VXLFA08AAN



NG4 Module, CEx 1, 8 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

8

Interface, Input

LC/APC

Interface, Output

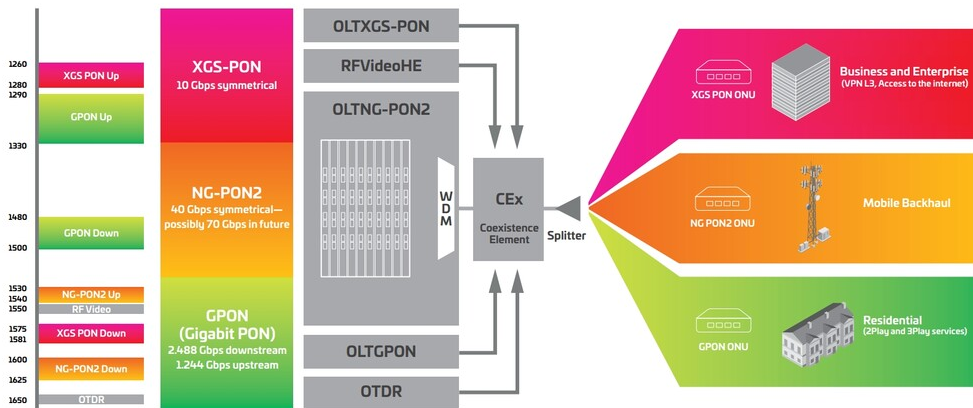
LC/APC

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 | 1524-1544 & 1596-1603 |
| CEx 5 | UPG | 1550-1560 & 1613-1650 |
| | 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: 1260-1280 nm & 1525-1650 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: ≤ 0.6 dB |

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| | |
|-----------------------------|--|
| Isolation | COM to GPON: ≥ 30 dB COM to UPG: ≥ 15 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 | Above maximum concentration value |
| ROHS | Compliant/Exempted |
| UK-ROHS | Compliant/Exempted |

