

LX1SXG08AAN



Single Width LGX Module, CEx 5, 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 | LGX |
| Government Requirements | Build America Buy America (BABA) compliant* |

General Specifications

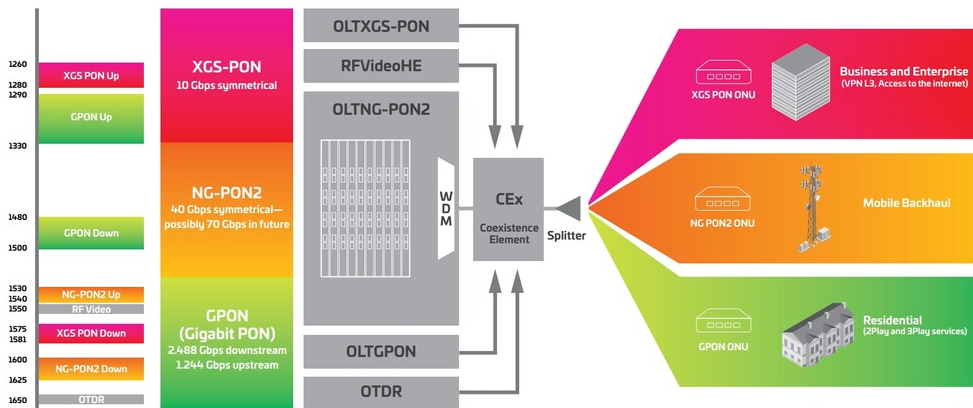
| | |
|----------------------------------|---|
| Circuits, quantity | 8 |
| Interface, Input | LC/APC |
| Interface, Output | LC/APC |
| Location of Manufacturing | Waived per BABA waiver for BEAD Program |

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 | 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 | PON (COMBI): 1260-1500 nm & 1575-1581 nm UPG: 1525-1565 nm & 1596-1650 nm |
| Polarization Dependent Loss, maximum | 0.3 dB |
| Polarization Mode Dispersion, maximum | 0.5 ps |
| Insertion Loss, including connectors | COM to PON: ≤ 0.8 dB COM to UPG: ≤ 0.6 dB |

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

Environmental Specifications

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|--------------------------------|--|
| 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 |
| ROHS | Compliant |
| UK-ROHS | Compliant |

