LX1SXD04AAN



Single Width LGX Module, CEx 4, 4 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 RequirementsBuild America Buy America (BABA) compliant*

General Specifications

Circuits, quantity

 Interface, Input
 LC/APC

 Interface, Output
 LC/APC

Location of ManufacturingWaived per BABA waiver for BEAD Program

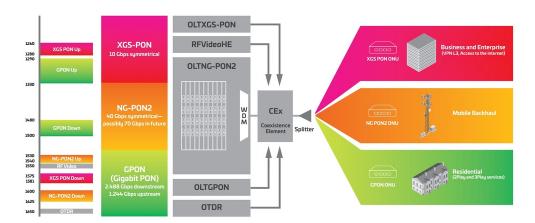
Port Configuration



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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 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

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 NGPON2: ≤ 1.4 dB | COM to UPG: ≤ 1.4

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

Isolation COM to GPON: \geq 30 dB | COM to NG-PON2: \geq 30dB | COM to UPG: \geq 15

dB | COM to XGS-PON: ≥ 30 dB

Return Loss, minimum 50 dB

Environmental Specifications

Operating Temperature $-40 \,^{\circ}\text{C} \text{ to } +70 \,^{\circ}\text{C} \, (-40 \,^{\circ}\text{F to } +158 \,^{\circ}\text{F})$

Relative Humidity 5%–95%, non-condensing

Qualification Standards IEC 61300-2-1 | Telcordia GR-1209-CORE

Packaging and Weights

Packaging quantity

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

