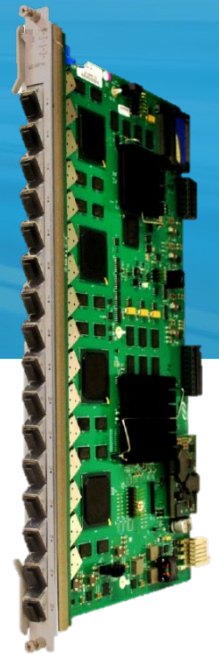


V2-LC-GP16



V2-LC-CP16 GPON Line Card

Ultra high-capacity fiber-optimized GPON Line Card

Features & Benefits

- + 16-port GPON line card w/ 128 splits supports up to 32,768 ONTs per chassis
- + Activation on a per-port basis
- + ITU-T Standards compliant

The V2-LC-CP16 GPON line card offers one of the most cost-effective ways for operators to deploy fiber-based services to the home, business, or node. The card supports ITU-standard GPON interfaces providing 2.5Gbps downstream and 1.25 Gbps upstream bandwidth over a passive optical network. With pay-as-you grow per port expansion service provider can choose the network architecture that finds the right balance between capital cost optimization and ease of upgradeability.

The V2-LC-CP16 is supported on the MXK-F broadband access platform. The solution is industrial temperature and can be deployed in some of the harshest and most demanding environments. The MXK-F offers ultra high-capacity, fiber-optimized aggregation of GPON, XGS-PON, 1GigE, 10GigE and 100GigE services.

Industry-leading SLMS traffic management provides QoS, traffic shaping, and dynamic bandwidth allocation to support triple-play residential, business services and mobile backhaul applications. Full range of management options including SNMP, CLI, and integration into ZMS Element Management System and OSS Gateway

V2-LC-GP16

The Ultimate in Density and Flexibility

With 128 splits per PON, one MXK-F1421 chassis fully equipped with V2-LC-GP16 line card can support up to 32K ONTs concurrently. The GPON OLT line card allows maximum flexibility for operators as they scale and deploy higher densities of PON networks. With GPON splitters that can be co-located with at the CO or installed remotely in the network, the service provider can choose the network architecture that finds the right balance between capital cost optimization and ease of upgradeability.

The V2-LC-GP16 leverage the ODN architecture to offer higher bandwidth GPON services to businesses and homes, or for mobile xHaul. With pluggable GPON interfaces the service providers can significantly increase the bandwidth for select customers or sites in a cost-effective manner.

Key Service Attributes

- + FSAN ITU-T G.984 GPON compliant, Class B+ and Class C+ SFP optics with RSSI
- + Type-B redundancy support
- + Sixteen SFP combo interfaces for GPON modules
- + Traffic management provides QoS, traffic shaping
- + Layer 2 and Layer 3 features, video replication and security
- + Support of Radius proxy, 802.1x, LLDP
- + IPTV multicast, IGMPv2 and IGMPv3 services
- + Designed for outside plant deployment



V2-LC-GP16

Features, Protocols, Interfaces

Interfaces

- + Subscriber Line Interfaces: (16 SFP) GPON

Protocol Support

- + ITU G.984.1- 984.4, G.988
- + Bridging 802.1D
- + VLAN 802.1Q with 802.1p
- + IGMP v2/v3
- + IGMP Snooping with Proxy reporting
- + Broadcast Storm Protection
- + Bridge Loop Protection
- + Transparent L2/L3 VPN for business services

Regulatory Compliance

- + Safety
 - + EN 62368-1
 - + UL 62368-1
- + EMC Emissions / Immunity
 - + FCC Part 15 Class A
 - + EN 55022 Class A
 - + CES-003 Class A
 - + EN 300 386

Physical & Environmental Specifications

Dimensions (W x H x D)	378mm x 22mm x 212mm
Operating temperature	-40~149°F (-40~65°C)
Storage temperature	-40~158°F (-40~70°C)
Operating humidity	5 to 85 % (non-condensing)

Altitude:	-200ft to 16,500ft (-60m to 5,000m)
Power Requirements	Average 102W typical
Maximum Power	126W (16 SFP transceivers at 1.5W each)

Ordering Information

Bases

V2-LC-NGPC16-5

ROHS, REQ MIN. XXX. (16) 10/10 XGS-PON+GPON COMBO (COEXISTENCE) PORT LC, SINGLE SLOT (REQ SFP+ XCVRS)

GS-GP-COMBO-SFP+-B+-N1-OLT-C

XGSPON & GPON COMBO OLT CLASS N1&B+ SFP, 1577/1270NM, 1490/1310NM IRSSI, ROHS, C-TEMP,

CVR-XGS-SFP+-N2-RSSI-C

XGSPON OLT 10G SFP+, 1577NM CW MODE DOWN, 1270NM APD/TIA UP, C TEMP, RSSI

XCVR-XGS-SFP+-N2-RSSI-I

XGSPON OLT 10G SFP+, 1577NM CW MODE DOWN, 1270NM APD/TIA UP, I TEMP, RSSI

XGS-GP-COMBO-SFP+-C+-N2-OLT-C

XGSPON/GPON OLT 10G CEX SFP+, 1577TX 10G, 1490TX 2.5G, 1270RX 10/2.4G, 1310 1.24G, N2 COMBO QUADPLXR

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