

# Amphenol

## COMMUNICATIONS SOLUTIONS

### OIF CEI linear demo

**XGIGA OSFP 800G LPO**  
**P/N OP13LD8-02D**

OP13LD8-02D 800G OSFP 2xDR4+ transceiver modules are designed for use in 800G Ethernet links on up to 2km of single mode fiber. Forward error correction (FEC) is required to be implemented by the host in order to ensure reliable system operation. They are compliant with the OSFP MSA, IEEE802.3cu, and adheres to OIF CMIS.

### FEATURES

- Support 106.25 Gb/s data rate per channel
- Electrically hot-pluggable
- Single 3.3V power supply
- Integrated Silicon photonics modulator chip  
1310nm High-power DFB Laser / 1310nm PIN Array  
for up to 2km reach over SMF
- Digital Diagnostics Monitoring Interface
- Dual Duplex MPO-12 optical receptacle
- Case operating temperature range: 0°C to 70°C
- Power dissipation < 8.5 W (Typical 8 W)
- Compliant to ROHS REFERENCE STANDARD
- Compliant to OSFP MSA rev5.0
- Adheres to OIF-CMIS rev5.0
- Compliant to IEEE 802.3cu-2021



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## OIF CEI 224G demo

**HSIO CA OSFP 224G DAC**  
**P/N NJMMRU-0001 1.0m**

Amphenol's leading the industry in 224Gb OSFP cable development. Our Electronics Products 'Product of the Year' award- winning OSFP (Octal Small Form Factor Pluggable) cable assemblies are compatible with 224G/lane channel PAM4 signaling protocol that allow the cables to deliver aggregate bandwidths including 224G.



## FEATURES

- Comprehensive system integrated interconnect design for copper or optical based cable solutions
- Addresses current and future market desired bandwidth port capability requirements.
- Optimized heat dissipative and air flow features to maximize the heat dissipative properties of the system
- Data Rate: 224G PAM4
- Cable sizes: 27 AWG - 32 AWG
- 224G Passive cable lengths up to 2 meters

## OIF CMIS demo

**XGIGA QSFP DD FR4 400Gb Transceiver**  
**P/N QD27PD4-02D**



The 400GBASE-FR4 module, Duplex LC connector has a range up to 2km over parallel single-mode fiber. It is compliant with the following standards and MSA's. IEEE 802.3bs, 400GBASE-FR4 Spec of 100G Lambda MSA group, and 400GAUI-8/CEI-56G-VSR-PAM4 standard. The 400 Gb Ethernet signal is carried over four CWDM grid optical wavelengths. Multiplexing demultiplexing of the four wavelengths are managed within the device.

## FEATURES

- Single 3.3 V power supply
- Power dissipation < 10 W
- Up to 2 km over SMF fiber
- QSFP-DD MSA compliant
- 8x53.125 Gbps (PAM4) electrical interface
- Duplex LC connector
- Case operating temperature range of 0°C to 70°C
- Adheres to OIF-CMIS rev5.0
- RoHS compliant