



FIBERROAD

Time to cost down **100G DWDM** connectivity

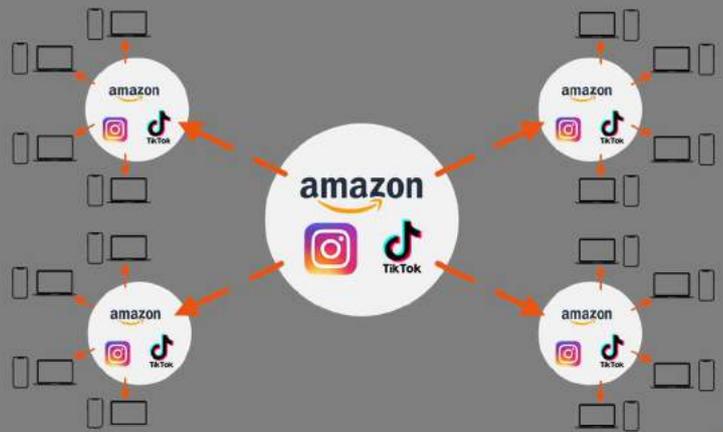
Users drive innovation of network architecture

Content move closer to users

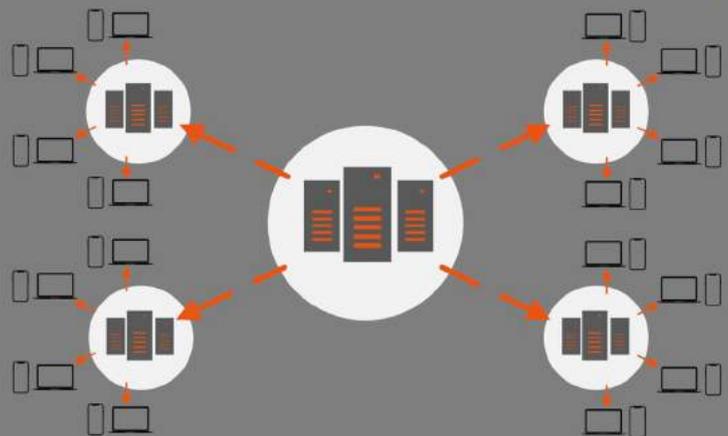


Today, more than ever, it's crucial to ensure your end user experiences service that is fast, powerful and available, as demand continues to spike amid the COVID-19 pandemic. The coronavirus has brought edge computing, and edge data centers further into focus as hundreds of millions of students and employees continue studying and working from home. This has created huge increases in demand and traffic on networks around the world and applications like Zoom.

If you're only in the top data center markets, you're not close enough to all of your customers. In a world where 'slow is the new down' that's a huge competitive disadvantage." — EdgeConnex



Data Center move closer to users



Edge data center interconnection challenges



Bandwidth

More bandwidth cross the network



Reliability

Overall data protection strategy



Latency

MS grade faster transmission



Cost

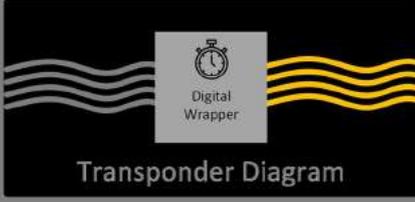
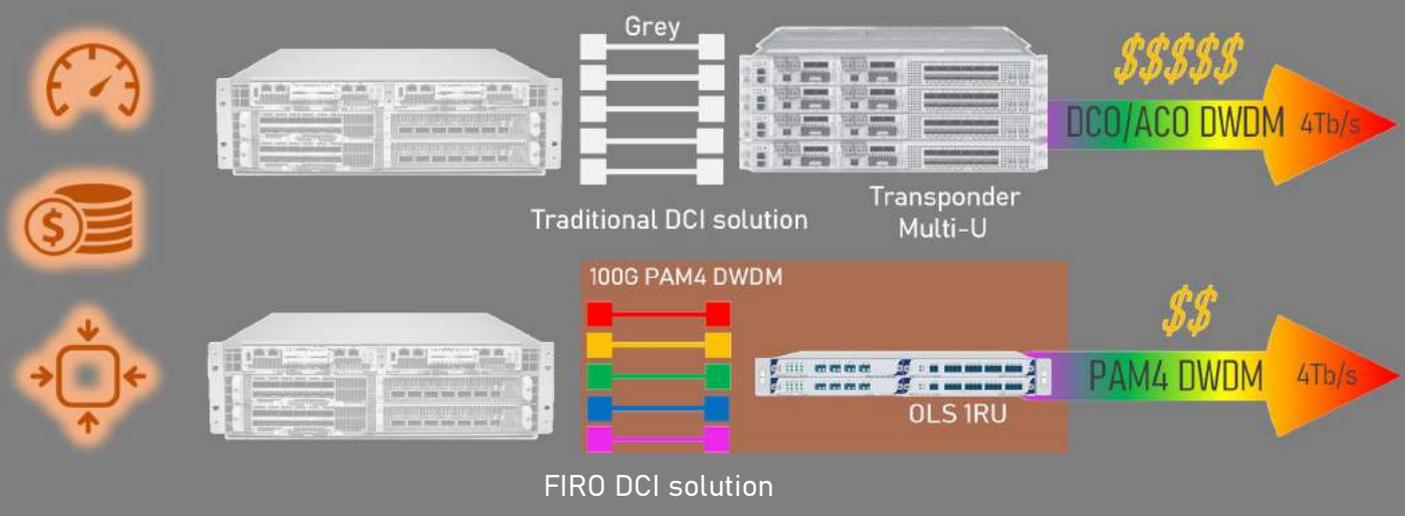
Low operating cost



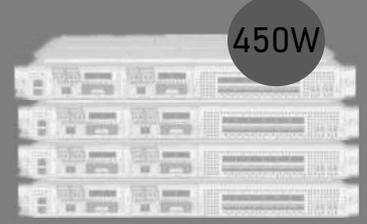
Compact

Modular flexibility and pay-as-grow

The ways **Fiberroad** address challenges



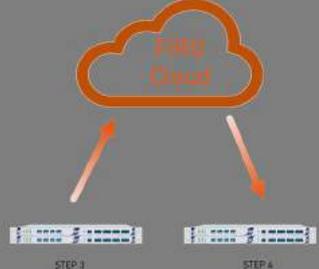
Electric layer process
 Add additional overhead
 Latency cost



Pure optics layer process
 No additional overhead
 ZERO Latency



ZERO TOUCH PROVISIONING



FR8000-PAM4-ZR

Intelligent optical line system designed specifically for DCI

FR8000-PAM4-ZR is a cloud base optical line DWDM platform designed specifically for Data Center Interconnection. It redefines Intelligentized , High-Capacity ,Zero-Latency, also Cost-effective DCI application. FR8000-PAM4-ZR family provide 0-80km with optionally 8/16/40CH solution, dedicated For either 100G DWDM PAM4 traffic or for applications with any mix of PAM4 , NRZ and Coherent channels .



Technical Specifications

Recommended Solution

Data Center Interconnection
 Metro Edge Interconnection
 Dark Fiber Connectivity

Supported Protocols

1/10/40/100G/200G/400G Ethernet
 1/2/4/8/16/32 Fiber Channel
 Other protocols may be supported

Mechanical Attributes

Power suppliers : Dual AC100 to 220V
 DC-4 to -72V
 Redundancy and Hot swappable
 Fan unit: Hot swappable
 Power Consumption(220V) : 45W(TYP)
 60W(MAX)

Size:430(D)x365(W)x1RU mm
 Net Weight:4.6kg

Environmental

Operating temp:0°C to + 50°C
 Humidity: 5% to 95%
 Altitude: 0-10,000ft

Optical Specification

Fiber Distance : 1-80km
 Fiber Link Loss : To be discussed
 Fiber Types : G.652(SMF-28)
 Operation wavelength : D21-D60

Management

Interfaces : 4xRJ45 10/100M Base-T
 2xSFP for OSC
 1xRS-232 series port
 Protocol : SSH/CLI, SNMP,EMS/NMS,
 NTP,TFTP,MQTT

Ordering information

FR8000-PAM4-ZR-040	40CH(D21-D60) DWDM OLS,40-80km, with dual power supply and NMC
FR8000-PAM4-LITE-040	40CH(D21-D60) DWDM OLS, 0-40km, with dual power supply and NMC
100G-PAM4-ZR-Dxx	100G DWDM PAM4 QSFP28 , Dxx (Channel Number)
FRxxG-Dxx	xxG(Data Rate), Dxx(Channel number)
FIRO-CLOUD	30 days free trial