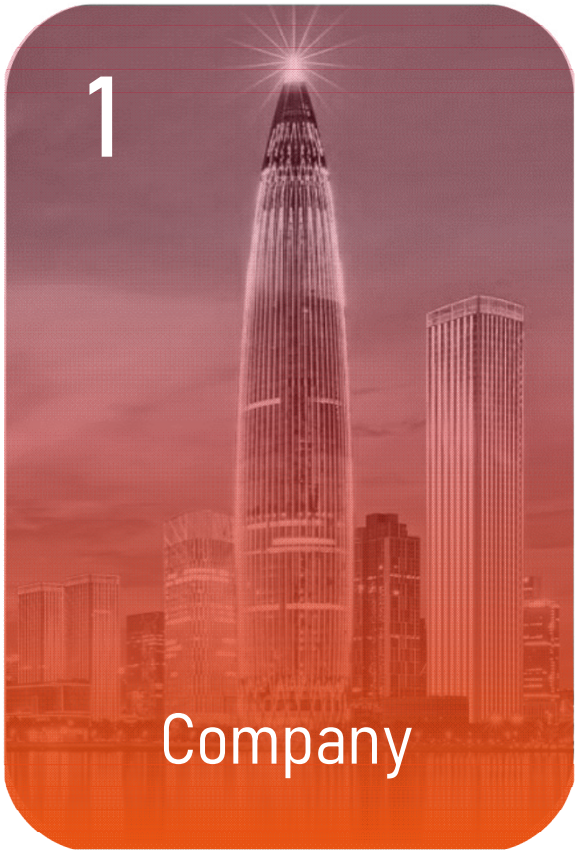
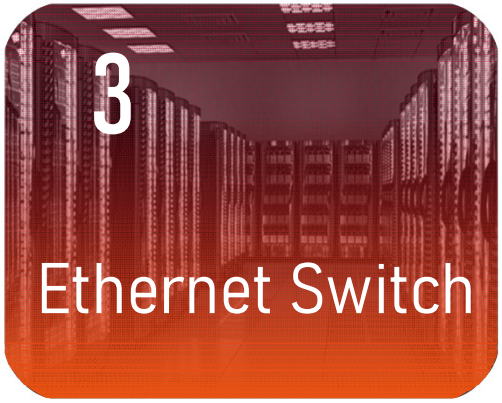
FIBERROAD

Optical Networks and Communications


1
Company


2
Multiservice
Platform

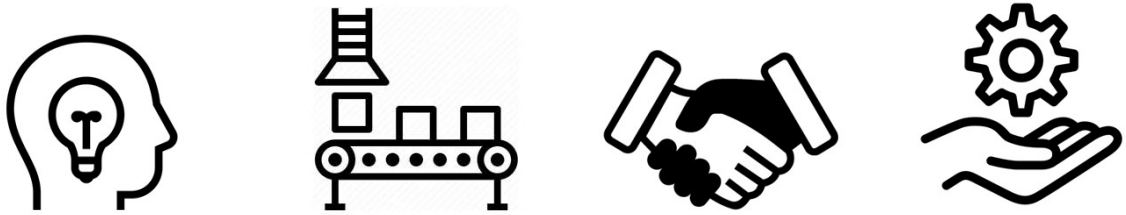

3
Ethernet Switch


4
xWDM/OTN


5
Cloud
Management

1 Company Profile

Fiberroad founded in 2008, is committed to developing and manufacturing and selling network communication products. In particular, the focus on fiber optical technologies, Ethernet technologies and the integration of broadband access technologies. With leading-edge technology and high quality service as the driving force, Fiberroad continued steady growth, and become a top global equipment supplier of innovative last-mile access in the telecommunications market.



R&D Production Sales Services

1 Team Mate

R&D Team

Core Members

Originated from NeoPhotonics. Including but limited in Hardware, Software and Inspection

Management

Core Members

Working experience in international chip and equipment provider

1 Product Development Course

2008-2012
Carrier Grade Multiservice Access Platform
Fiberroad EMS/NMS management system

2013
Original Mini Media Converter

2014-2015
Ai POE Switch Series

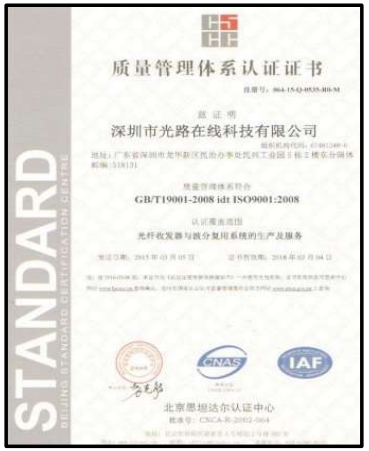
2016
6U Multiservice Transmission Platform
Compact module Optical Line System

2017-2109
L2/L3 Industrial Class Switch
POE++ 60W POE Switch

2020
Cloud Management Launched

1 Significant Milestone

Shenzhen Hi-Tech Enterprise



ISO9001

National Hi-Tech Enterprise

CE,FCC,RoHS Certificate

2 Multiservice Platform

2 Carrier Grade Multiservice Access Platform

AC/DC | Cooling | Compact | Frame: Jumbo 9K | OAM: IEEE802.3ah | Management | Alarm: LFPT | Redundancy

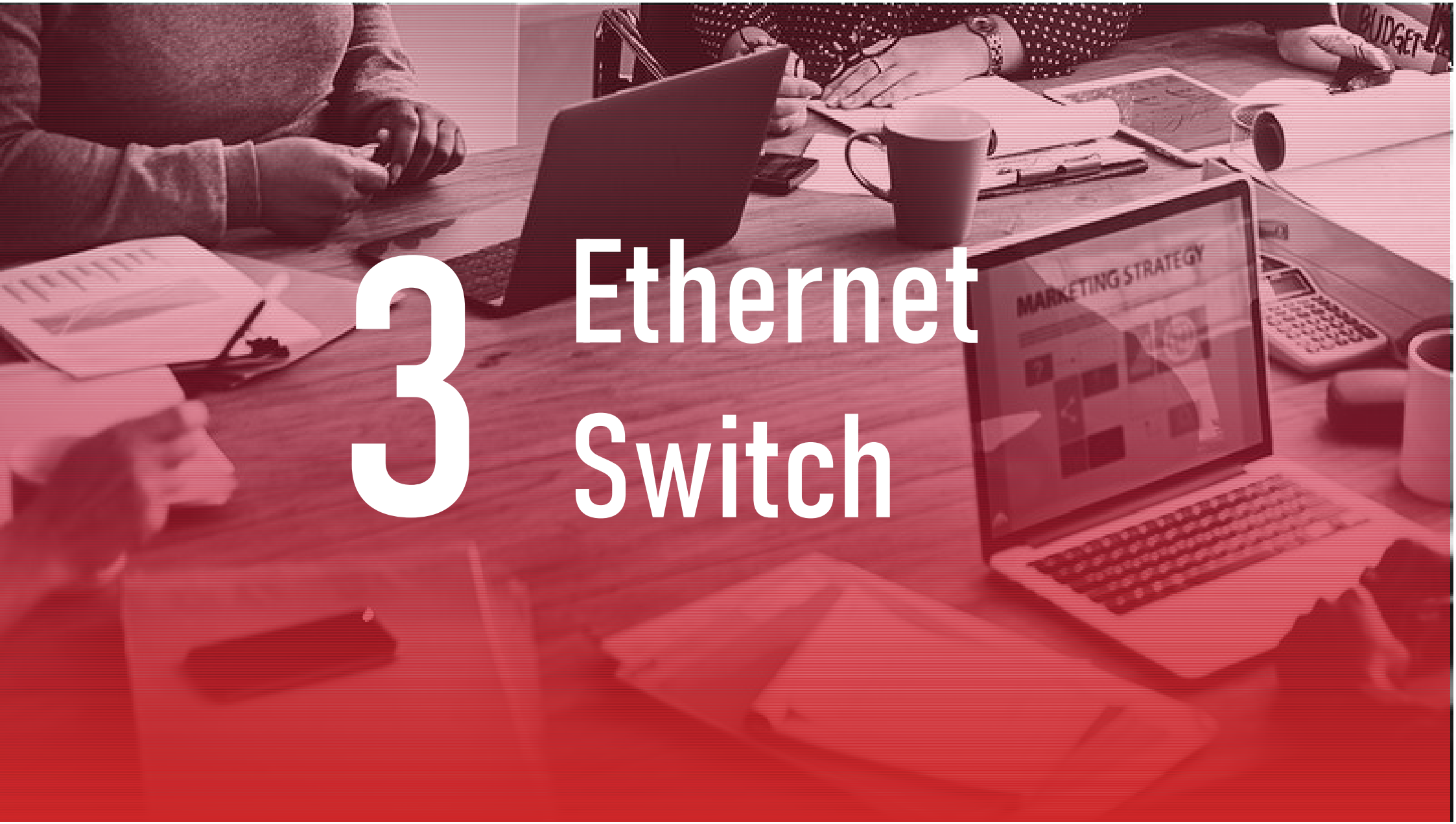
The 2U 16 Slots Converter Rack is a Ethernet and SDH transmission equipment, support multiple services including **100M-10G** media converter card, **100M-40G transponder**, **1+1 service protection card**, CWDM/DWDM MUX/DEMUX Card, etc., support protocols like SNMP, WEB, CONSOLE and TELNET

Intelligent CPE (Industrial/Carrier grade)
Compatible with PTN,MSTP what through IEEE802.3ah, to achieve 100M/1000M IP access for private users

2 Cost-effective Media Converter

- 1U Rack Mount, 12 Slots, Dual Power AC and Fans, Mini Media Converter Chassis
- High density chassis, suitable for standard 19 inch network rack
- Specially designed to accommodate chassis-based mini Media Converters
- Dual Power Supply and Dual Fans

- 155M & 1.25G SM to SM Converter
- 125M~1.25G SFP to SFP Converter
- 10/100Base-TX to 100Base-FX Converter
- 10/100/1000Base-TX to 1000Base-FX Converter
- 2x10/100/1000Base-TX to 1000Base-FX Converter
- 1x10GBase-FX to 10GBase-FX OEO Converter



3 Ethernet Switch

3 Intelligent Industrial Ethernet Switch

Ai	MSTP	POE Schedule	Management	Temperature
AI				-40/75℃

Layer	UPLINK	POE	SMART	IPM
L2/L3	10G	POE++	DIP	IP40

3 Key Feature (Ai Management)

Extend 250M Transmission

Ai Extend

Ai VLAN

Enables Port Isolation on Ports 1-16.

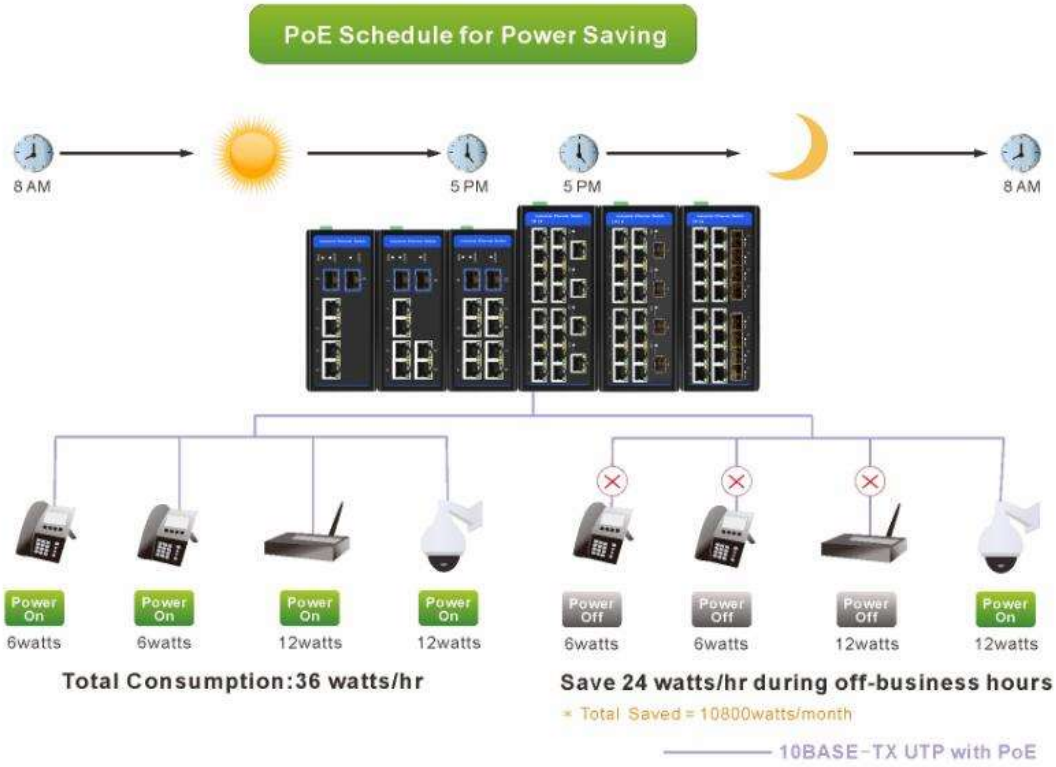
Automatically restarts a PoE powered device if no data passes through the port for a set time.

Ai POE

Ai QOS

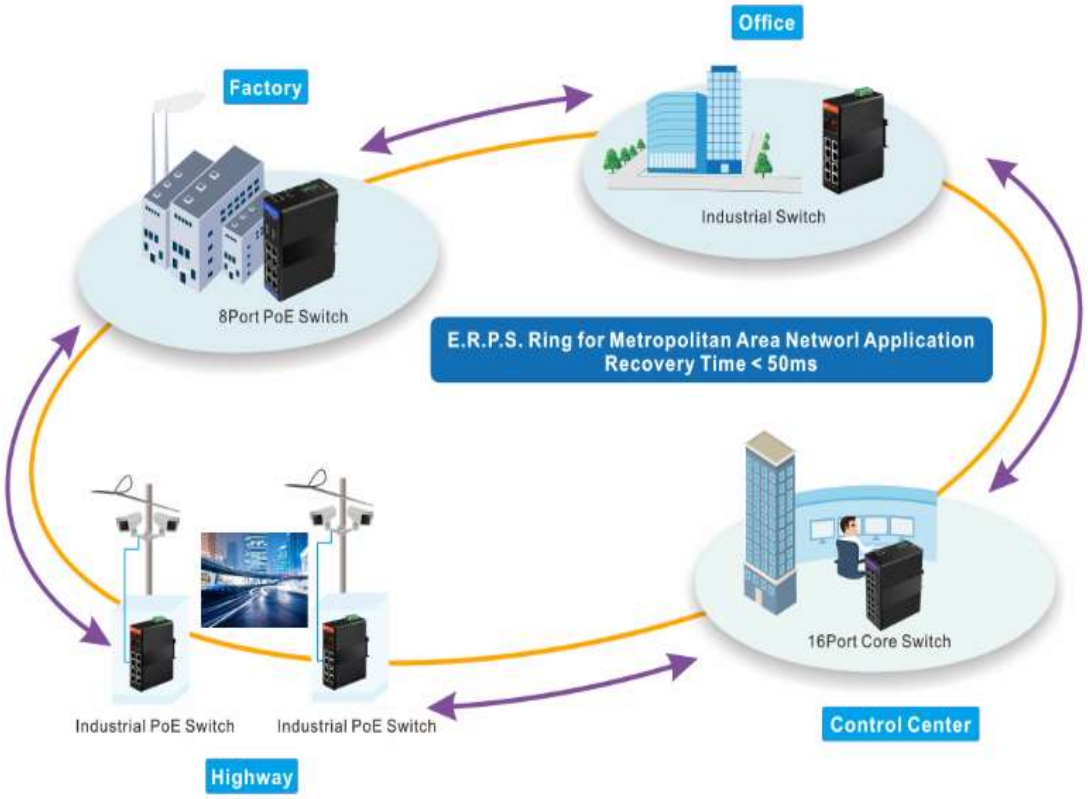
It can prioritize video data in the network to ensure that video data is not blocked, more fluent transmission and without delay.

3 Key Feature (PoE Schedule)

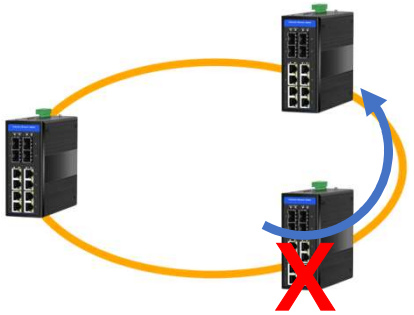


The managed Ethernet functions include STP/RSTP/MSTP/ITU-T G.8032 ERPS and multiple µ-Ring for redundant cabling, **layer 2** Ethernet IGMP, VLAN, QoS, ACL, Security, IPv6, bandwidth control, port mirroring, cable diagnostic and Green Ethernet. Advanced **PoE management functions optional**, such as weekly PoE power scheduling as well as device auto-checking and auto-reset. The built-in "**PoE schedule**" for energy saving, enable or disable PoE power feeding for each PoE port during specified time intervals and it is a powerful function to help SMBs or enterprises save power and money.

3 Key Feature (ITU-T G.8032)



Supports redundant ring technology and features strong, rapid self-recovery capability to prevent interruptions and external intrusions. It incorporates advanced ITU-T G.8032 ERPS (Ethernet Ring Protection Switching) technology, Spanning Tree Protocol (802.1s MSTP), and **redundant power** input system into customer's industrial automation network to enhance system reliability and uptime in harsh factory environments .There is no theoretical limit on the number of rings that can be added to a network. So as long as you have sufficient bandwidth, you can keep adding nodes.



In the event the switch stops working due to a power failure, the bypass relay function will be triggered ensuring non-stop data flow.

4 xWDM/OTN

4 Integrated optical transport system

Dark Fiber Providers

Data Center

Financial Institutions

Content Providers

Campus

Cloud

Government

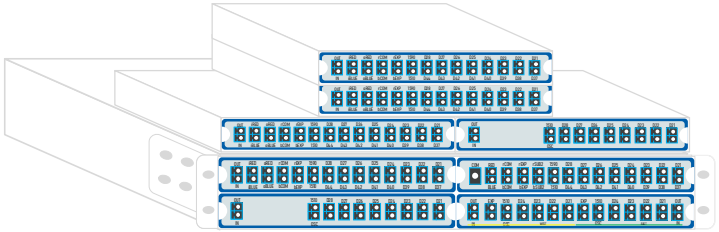
Mobile Network

Enterprise

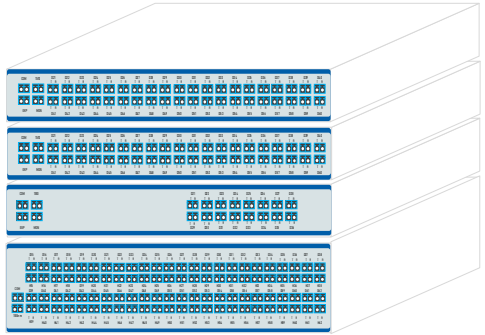
IXP

- Multi-rate and multi-protocol
- Low latency connectivity
- Remote management and topology discovery
- Supports full C-band tunable DWDM on line side
- Optional integrated EDFA,Mux/Demux,DCM,OLP,etc
- Supports 1+1 facility protection
- Supports single and dual fiber infrastructure
- Supports service layer link alarm transfer

4 Optical Multiplexer



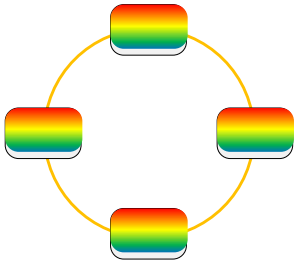
Modular Design, Multi application scenario
CWDM,DWDM,LWDM,MWDM



Compact Module, Large capacity
50GHz,75GHz,100GHz,200GHz

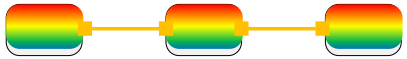
Tailor-make your needs

Single Fiber Bi-directional

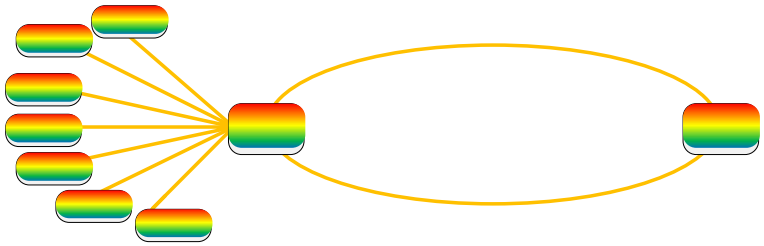


RING Topology

Dual Fiber

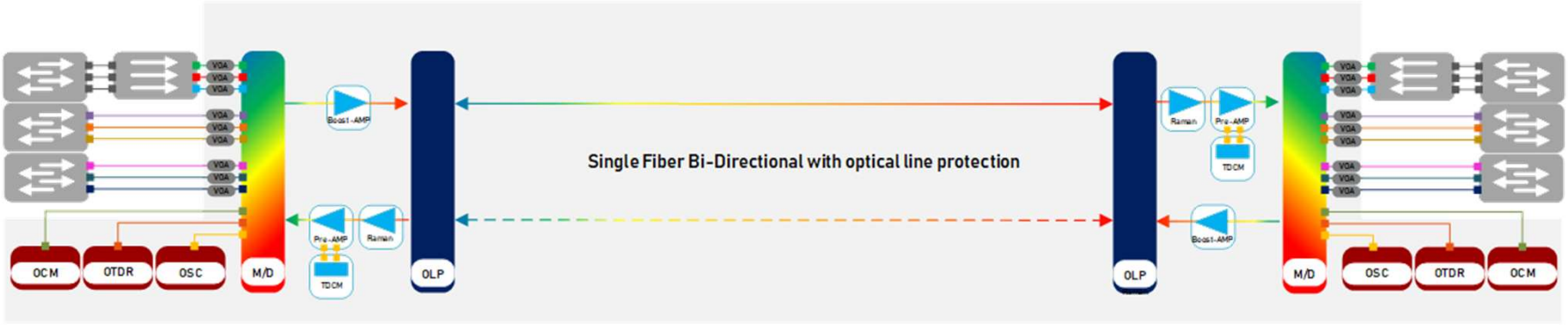


OADM



Point to multipoint architecture

4 Optical Line System



MUX/DEMUX | EDFA | DCM | OLP | OCM | OTDR | VOA

①Modular pay-as-you-grow architecture

②Mix-and-match modular flexibility

③Low operating costs

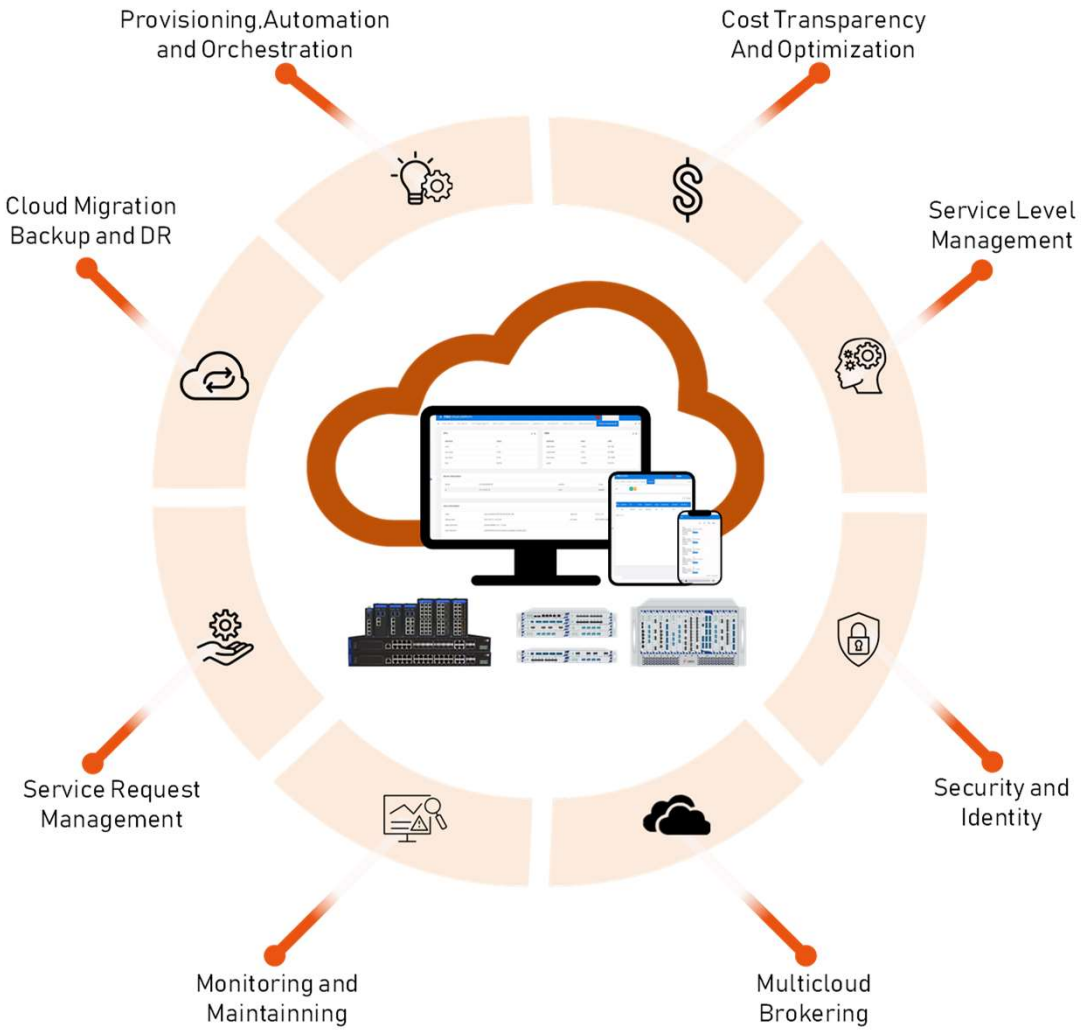
④Open and programmable

⑤Simplified turn-up and lifecycle management

5 FIRO Cloud

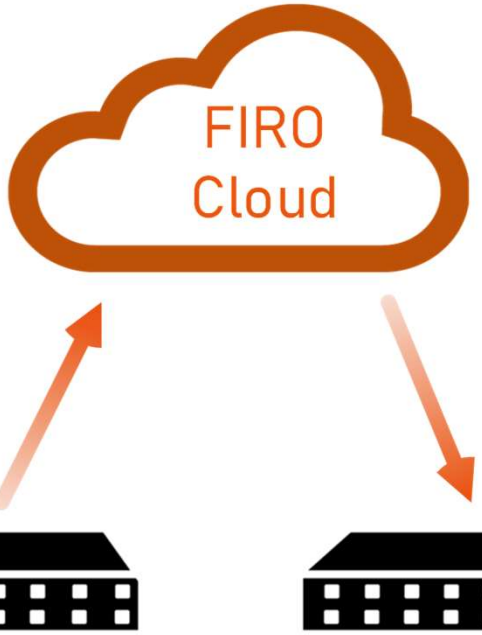
5 FIRO Cloud Management

FIRO Cloud is Fiberroad's new generation cloud architecture management platform. It simplifies the task of device deployment, management and monitoring of hosting a network at a single site or multiple sites across different geographical locations . You can manage all of your devices at anytime and anywhere. Features such as automatic provisioning aim to reduce initial deployment complexities. Network administrators can also easily monitor devices in distributed sites or branch offices using the integrated map-based view, pushing configuration templates when necessary and collecting network statistics real-time.



5 Provisioning Automation

ZERO TOUCH PROVISIONING



STEP 1

New device delivered direct
to site from factory
Install and wire up the device

STEP 2

Power On

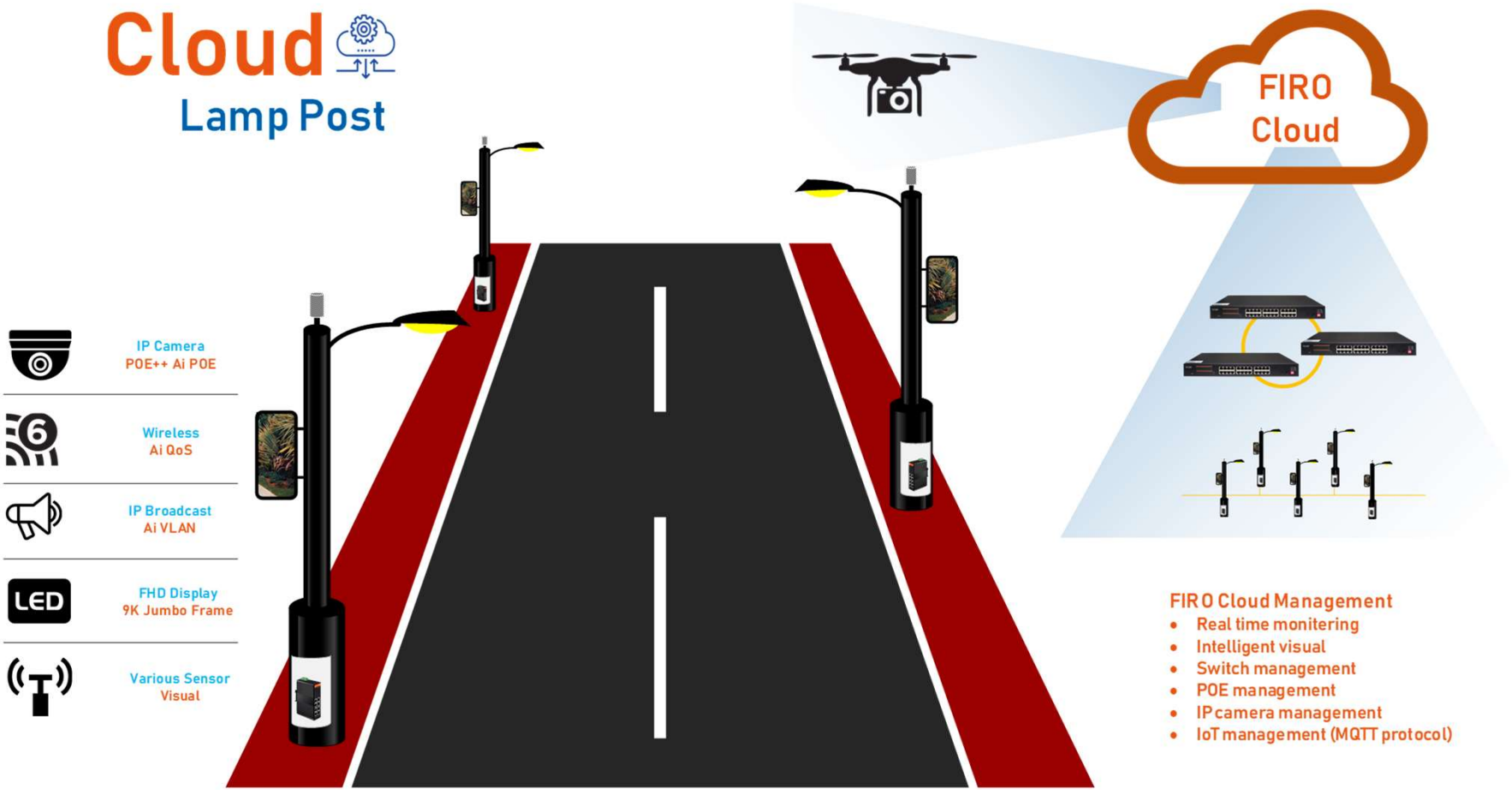
STEP 3

The device registers
itself with FIRO Cloud

STEP 4

SN: FR5459
Here is your production
configuration

5 Remarkable project



THANK YOU

Contact us for more details