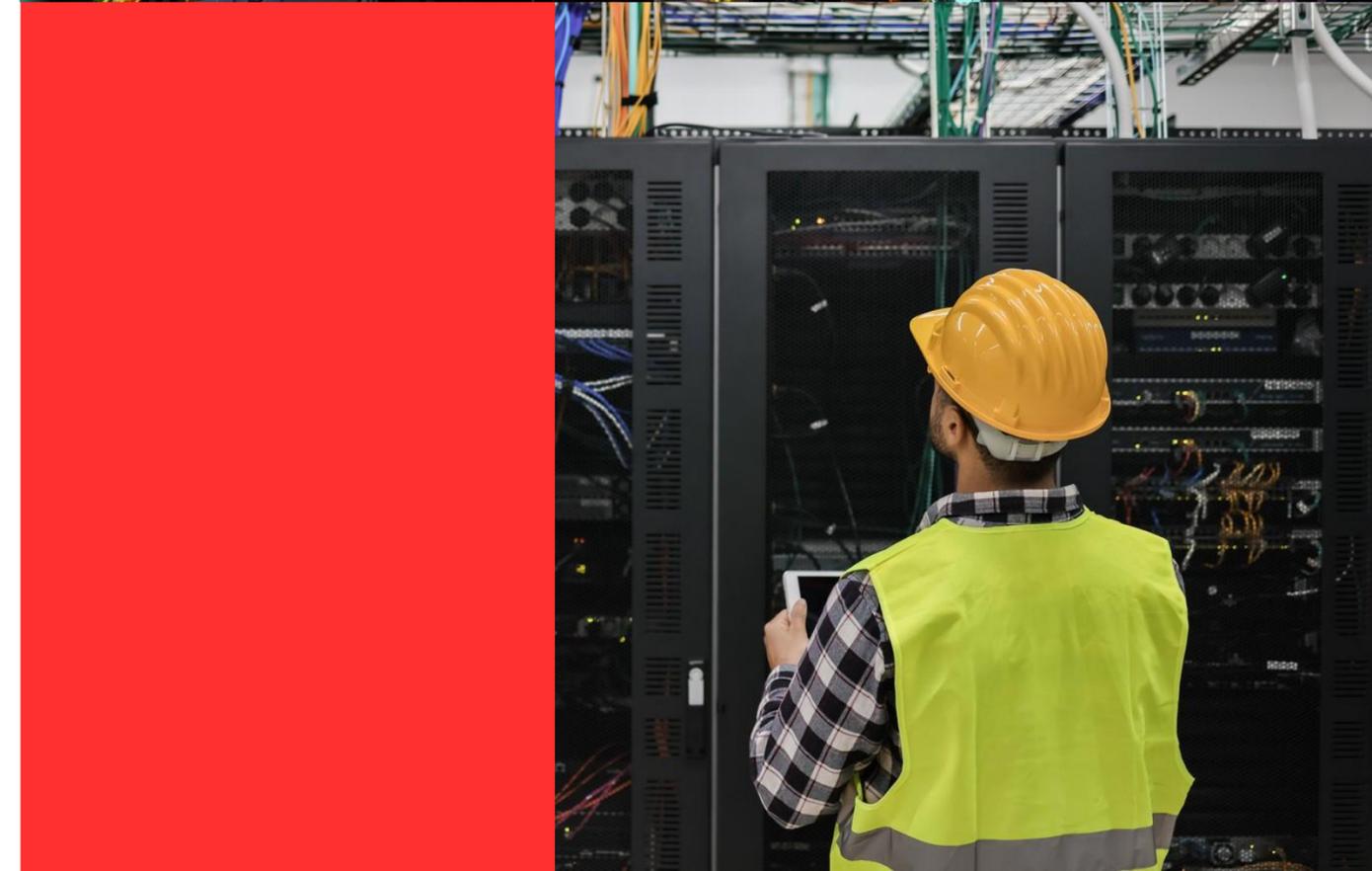


**FIBERROAD**<sup>®</sup>  
Reliable Industrial Network Connectivity

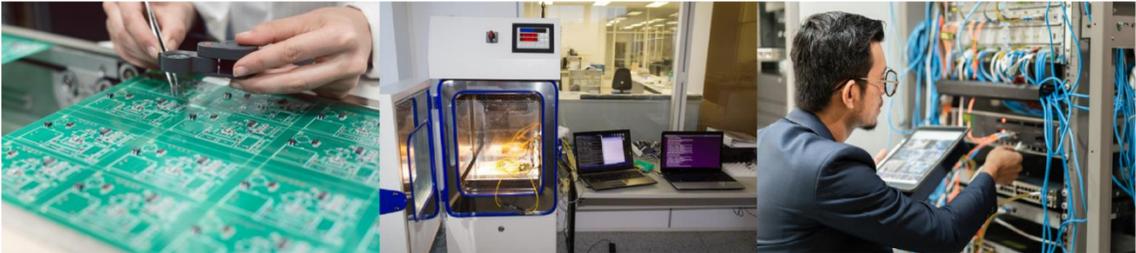
# Company & Products Profile

[www.fiberroad.com](http://www.fiberroad.com)



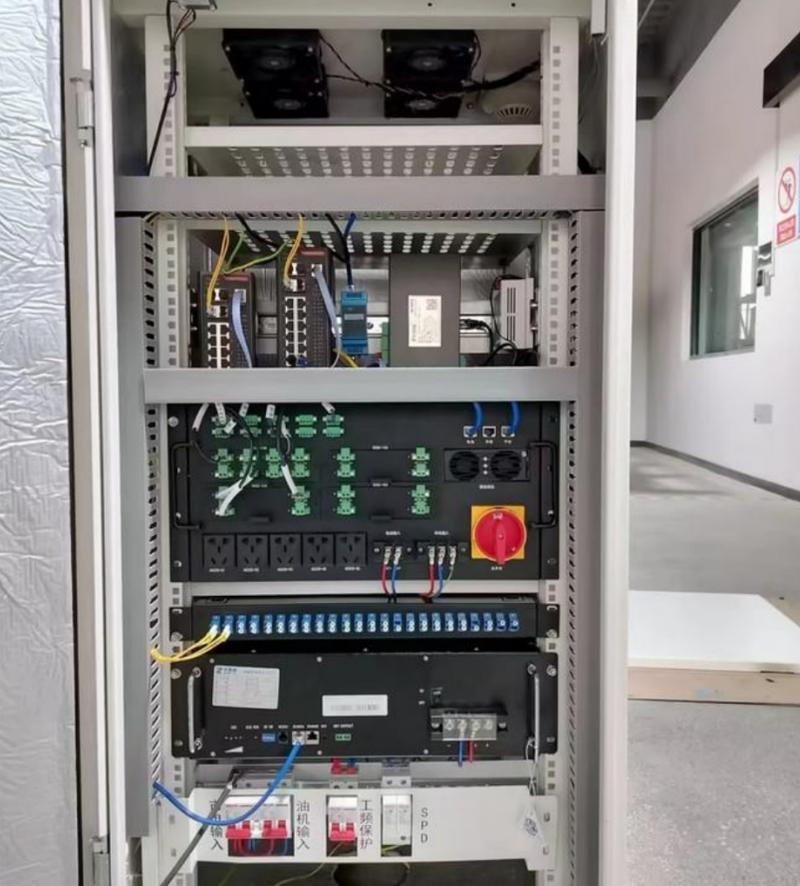
# About the Company

Fiberroad, the pioneering force in **Industrial Ethernet** and **Optical Transport** products, brings together a dynamic fusion of software and hardware research and development. With an unwavering commitment to excellence, Fiberroad embodies innovation at every stage of the product lifecycle.



“

*Ethernet  
Connectivity  
Expert*



# Why Choose Us?

By seamlessly integrating groundbreaking technologies with unparalleled attention to detail, Fiberroad ensures that each customer's unique requirements are met flawlessly – delivering cutting-edge solutions that don't merely satisfy expectations but exceed them as well!



Trust in our proven track record of over 15 years of experience in developing high-quality ethernet-connected products, ensuring the reliability and effectiveness of your network connectivity.



Experience a smooth, hassle-free process from initial product solution support to fast delivery with Fiberroad. Save time and energy while receiving customized network solutions for your business needs.



# Our Industrial Product Line

Streamline your network connectivity with Fiberroad's comprehensive range of Ethernet Product, saving you time and hassle while ensuring seamless communication across all layers.



Fiber Media Converter Series

**Managed/PoE++**

Ethernet Access



Ethernet Switch Series

**L2+/L3/PoE++**

Ethernet Switching & Routing



Optical Transport Network Series

**CWDM/DWDM**

100M to 100G Transport

Ethernet Optical Transport

# Product Features Highlight

## Compact Fiber Media Converter

-  Effortlessly connect and convert various data protocols .
-  Upgrad network speed, supporting 100M Fast Ethernet to 10 Gigabit Ethernet conversion
-  Customize network settings with ease with embedded DIP switch.



Gigabit Ethernet Media Converters



10 Gigabit Ethernet Media Converters



## Managed Fiber Media Converter

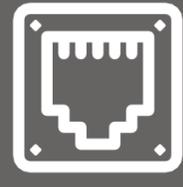
-  Simplify network management and increase efficiency with remote monitoring capabilities for FTTO, FTTB and Intelligent Surveillance networks
-  Increase efficiency and streamline network management with Web and EMS methods, easy to manage multiple services from one centralized location.
-  Scale your network infrastructure efficiently with Managed Fiber Media Converter, upgrade hardware seamlessly as your business expands.

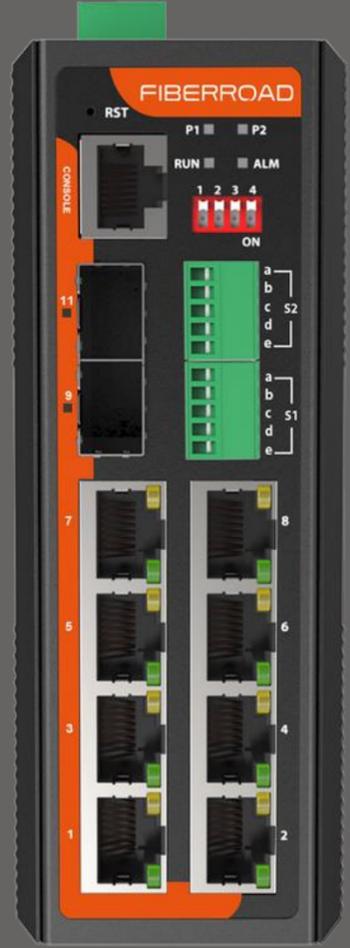
# Product Features Highlight

Layer 2+ Managed Switches with Value-added Port Functionalities

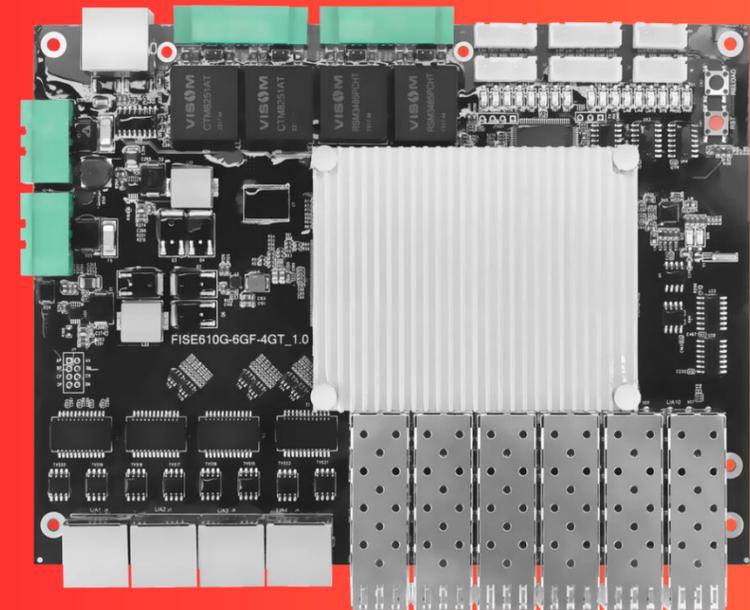
## Convergence IT and OT Connectivity

High Port Density and Integration

-  PoE/PoE+/PoE++
-  Modbus TCP/IP
-  SFP Optical Port
-  SNMP/MQTT



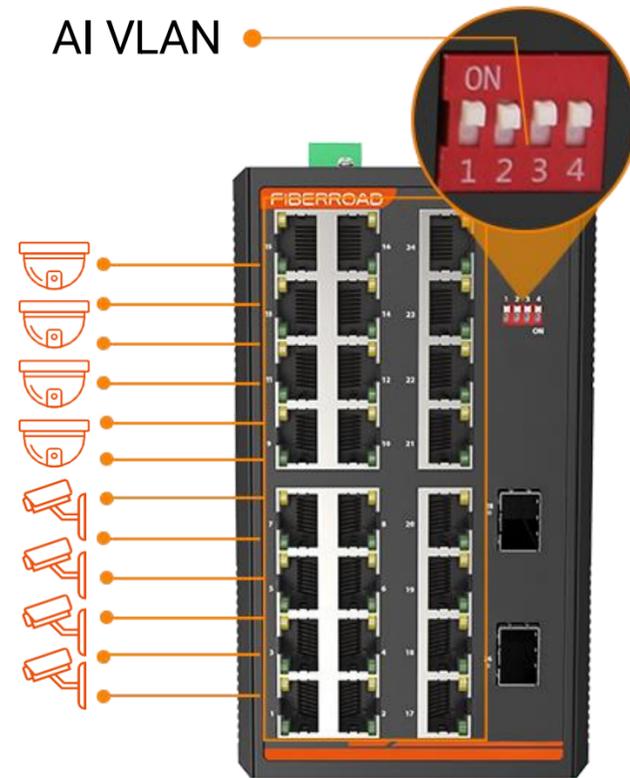
Integrated RS232/422/485 and CAN Bus Port



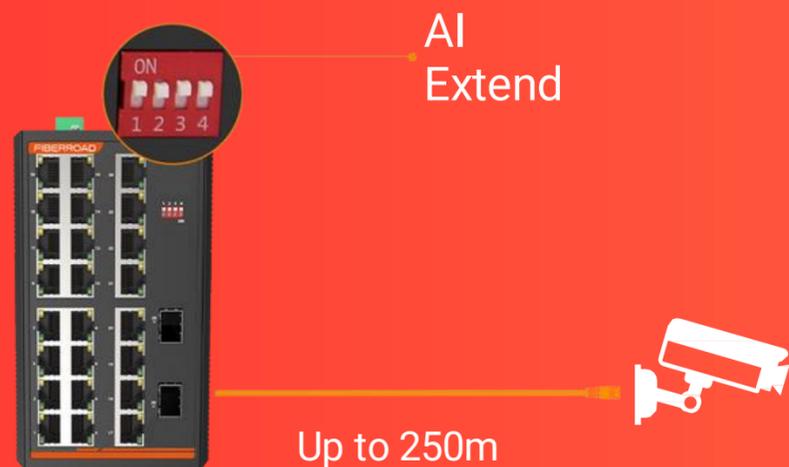
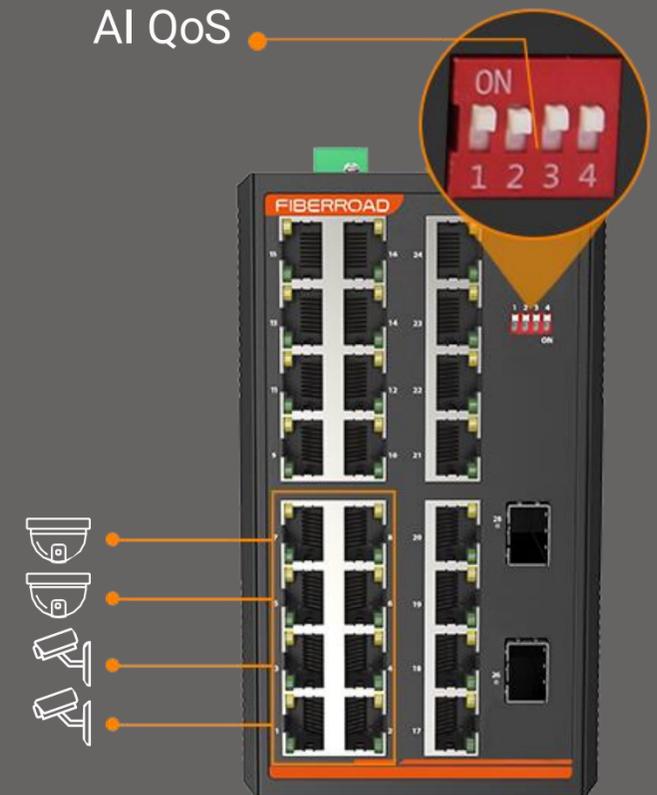
# Product Features Highlight

## Unmanaged Switches with Quick Access DIP Switch

**AI VLAN:** AI VLAN is essentially port isolation on each PoE port. All PoE ports can only communicate with the uplinks when this option is enabled.



**AI QoS:** When AI QoS is enabled, 1-8 port prioritises video and VoIP traffic flows over others. For example, an IP camera streaming in real-time takes preference over a user transferring a backup file to a server.



# Product Features Highlight

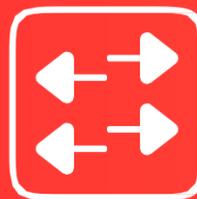
## PROFINET and Broadcast Storm Protection

### AUTO PRO SERIES

The Auto Pro design concept represents Fiberroad's well-conceived approach in industrial automation, aiming to provide superior automation solutions for industrial management environments.



### Broadcast Storm Protection



Auto Broadcast Suppression technology improves the stability and reliability of industrial networks and allows uninterrupted communication.

### Auto QoS Priority



Provide superior performance and stability for industrial Ethernet communications through intelligent traffic analysis and dynamic priority adjustment.

### Auto Jumbo Frame



Auto Jumbo Frame technology, which allows the switch to intelligently identify and process jumbo frames, enhancing the efficiency and volume of data transmission.

# Product Features Highlight

L3 TSN Managed Industrial Ethernet Switch, Precision Time Protocol Synchronized IIoT Connectivity



## Layer 3 Managed Switch Function

- RIPv2
- OSPFv2 and OSPFv3
- IPv4 and IPv6
- Hardware Static Routing



## Time Synchronization

- IEEE 1588v2
- IEEE 802.1AS
- IEEE802.1Qbu
- IEEE 802.1Qbv
- IEEE 802.1CB



## Network Security

- RADIUS and TACACS+
- SSHv2, TSLv1.2 and SNMPv3
- Access Control List



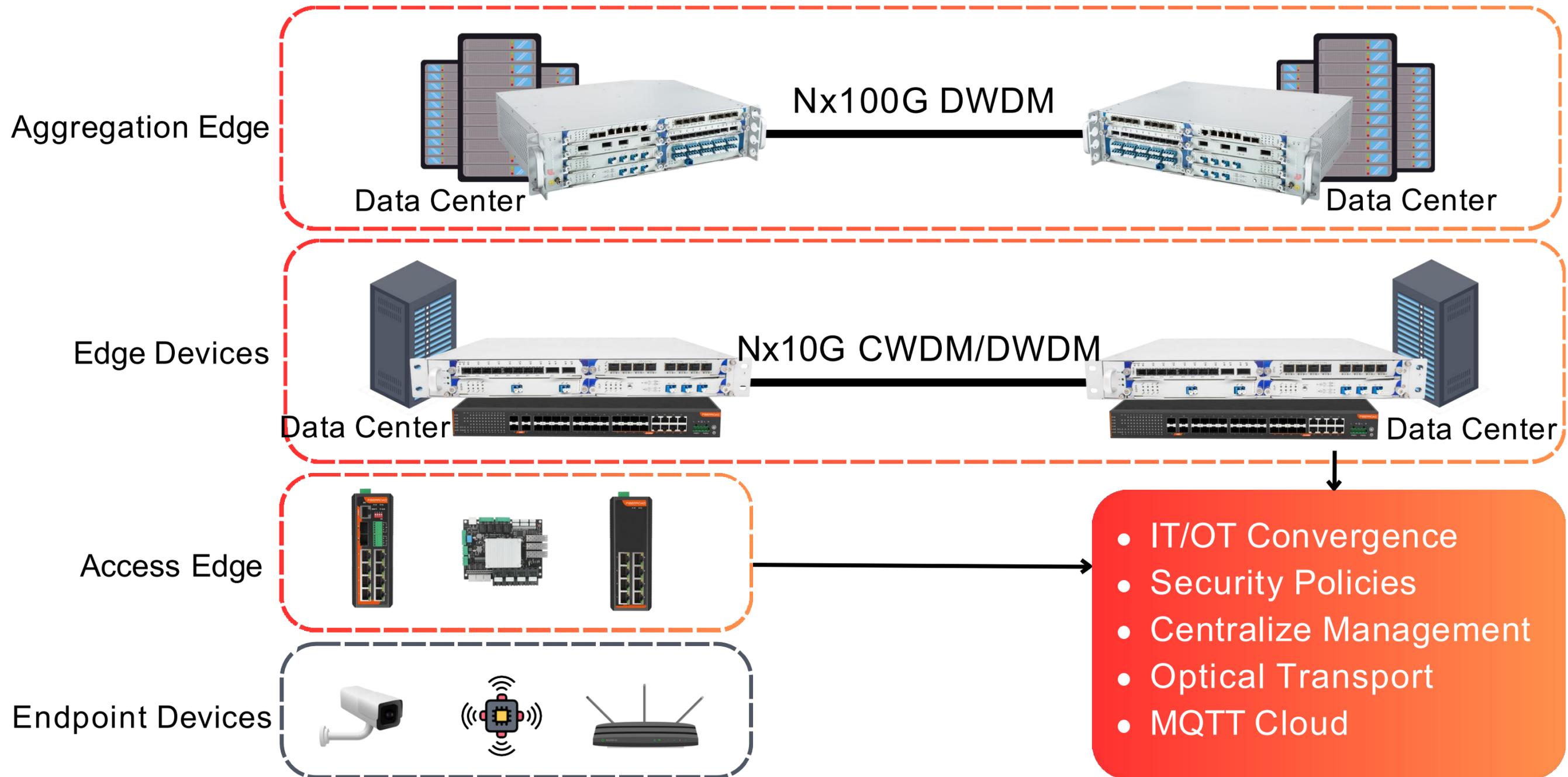
## Industrial Grade

- -40 to +75°C
- IP40 Rating
- ±2kV RJ45 Surge Protection

# Product Features Highlight

CWDM/DWDM Optical Transport Network

## Edge Network Connectivity



# Product & Solution Segmentation



Unmanaged  
Industrial Ethernet Switch

- -40 to +75°C Operating Temperature
- Support PoE/PoE+/PoE++

**Small and Medium Network  
Suitable for Harsh Environments**



Web Smart  
Industrial Ethernet Switch

- -40 to +75°C Operating Temperature
- Support Web Management for VLAN and QoS

**Smart IoT & Video Surveillance System  
Suitable for Harsh Environments**



# Product & Solution Segmentation



## Layer 2+ Managed Industrial Ethernet Switch

- -40 to +75°C Operating Temperature
- Support WebGUI/CL/NMS/MQTT
- Support RSTP/MSTP/ERPS
- Support PoE/PoE+/PoE++
- RADIUS, IEEE 802.1X, SNMPv3, HTTPs and SSH to enhance network security.

## Integrated IIoT System From Access to Edge Network Suitable for Harsh Environments



## Layer 3 Managed Industrial Ethernet Switch

- -40 to +75°C Operating Temperature
- Support WebGUI/CL/NMS
- Support RSTP/MSTP/ERPS/OSFP
- Support PoE/PoE+/PoE++
- TACACS+, SNMPv3, IEEE 802.1X, HTTPS and SSH to enhance network security
- Voice and Surveillance VLAN

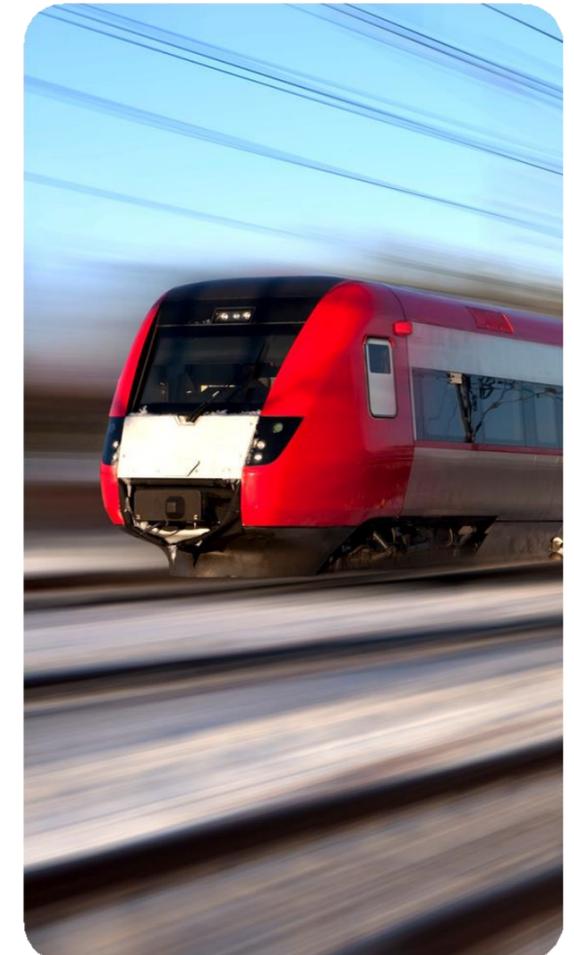
# Product & Solution Segmentation



TSN Managed Industrial Ethernet Switch

- -40 to +75°C Operating Temperature
- Support WebGUI/CL/NMS/MQTT
- Support RSTP/MSTP/ERPS
- TACACS+, SNMPv3, IEEE 802.1X, HTTPS and SSH to enhance network security
- IEEE 1588v2, IEEE 802.1AS  
IEEE802.1Qbu, IEEE 802.1Qbv, IEEE 802.1CB

**Integrated IIoT System  
From Access to Edge Network  
Suitable for Harsh Environments  
Time Sensitive Network Solution**



# Product & Solution Segmentation



## Intrinsically Safe Embedded Ethernet Switch

- Full load power consumption  $\leq 10W$ , the power supply meets the requirements of the intrinsic safety circuit, support over and over voltage protection, anti-reverse design
- Wide Temperature and wide pressure Moisture-proof and mildew-proof treatment, insulation and pressure resistance design index requirements

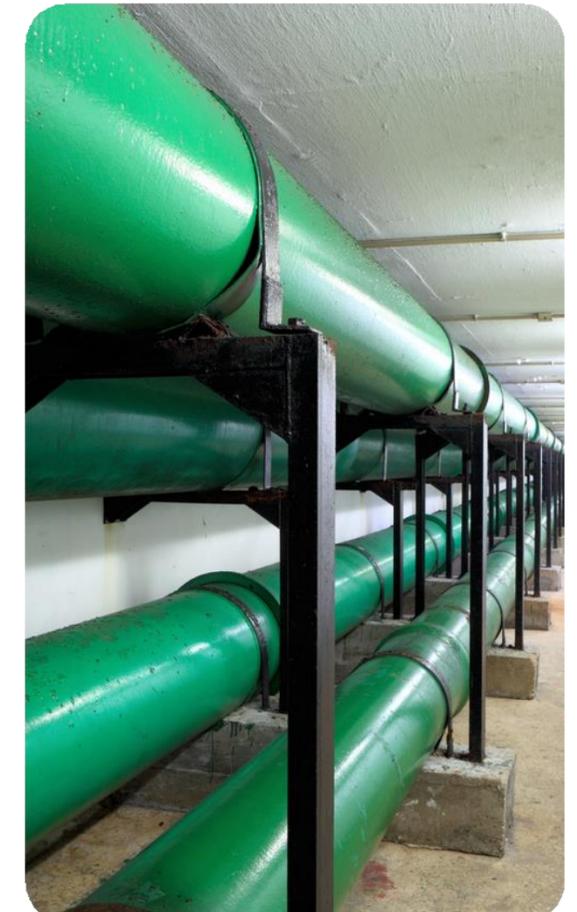
**Integrated IIoT System  
From Access to Edge Network  
Enabling Connectivity in Critical Environments  
Flammable and explosive Environment**



**Coal Mining**



**Oil & Gas**

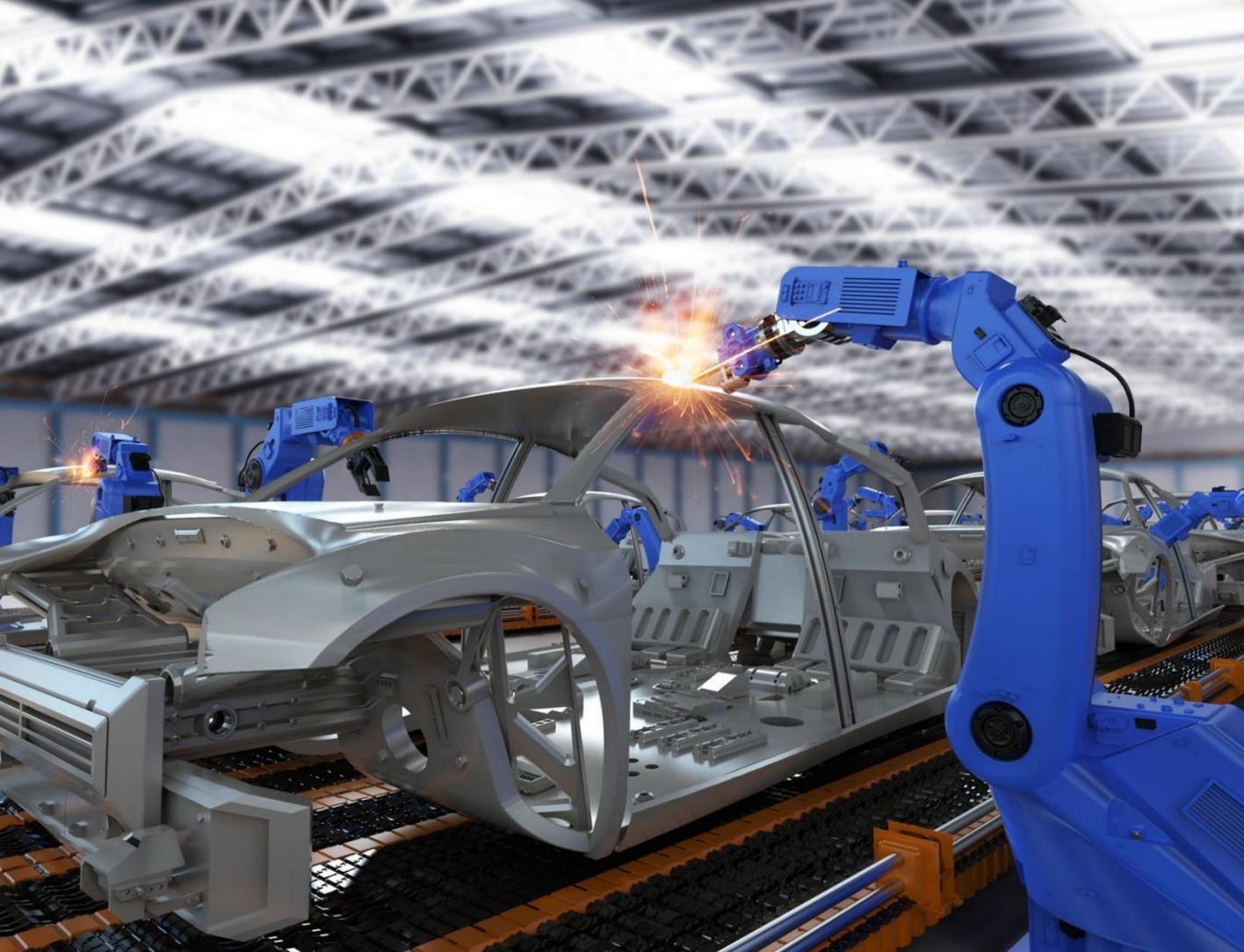


**Pipe Gallery**

# Reliable Industrial Network Connectivity

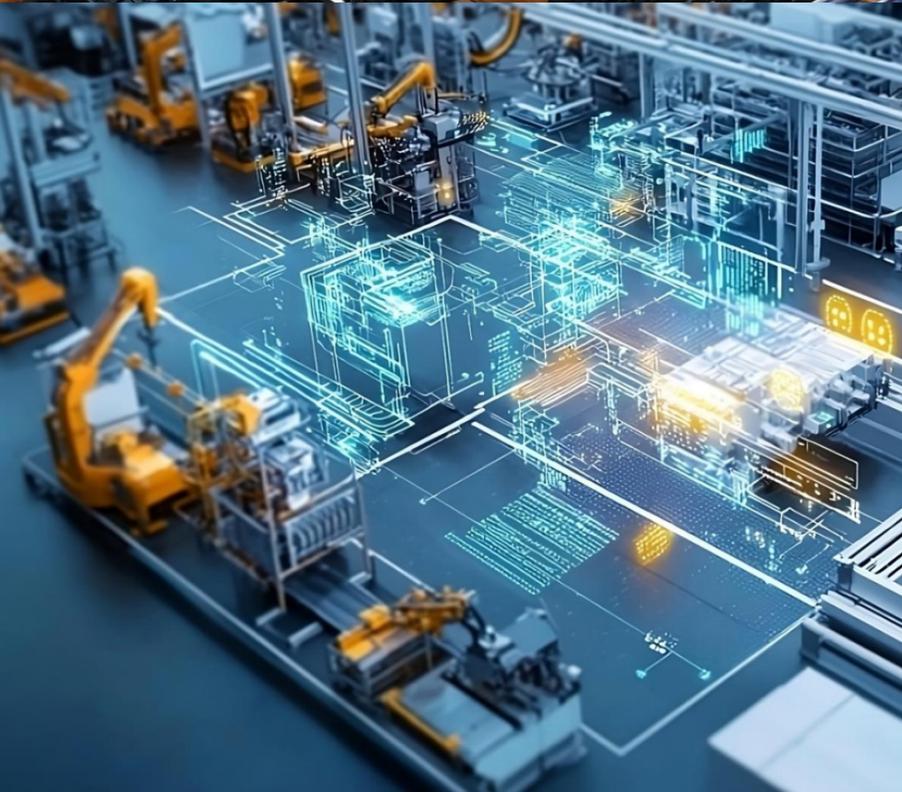


At Fiberroad, our mission is to provide reliable and efficient connectivity solutions for automation networks. We strive to empower businesses by enabling seamless communication between devices and systems through our cutting-edge Industrial Ethernet technology.



FIBERROAD®

# Thank you



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