

FIBERROAD®

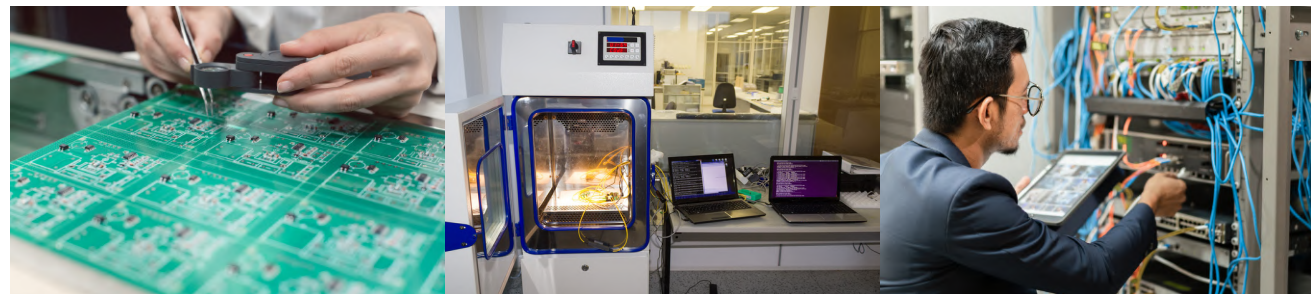
Industrial Ethernet & Optical Transport

www.fiberroad.com



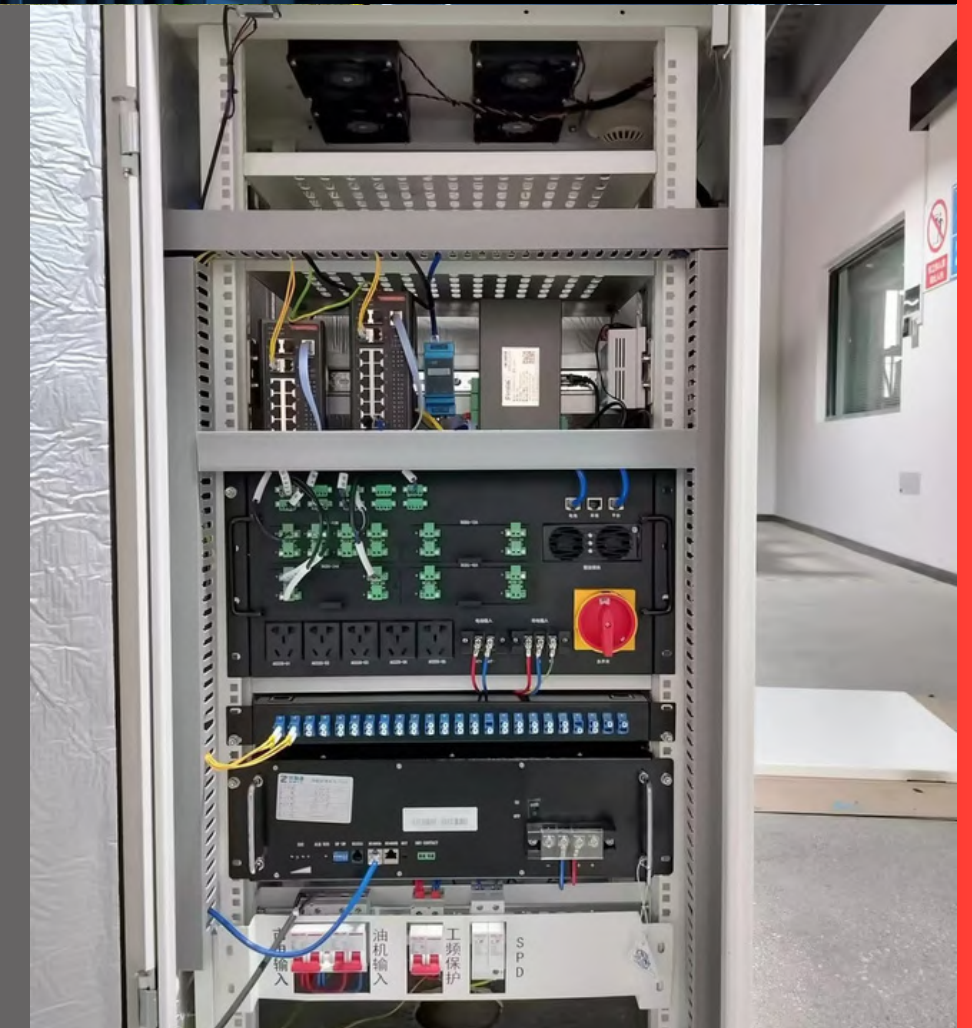
About Company

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. From ideation to production and sales, this brand is redefining connectivity for businesses worldwide.



“

*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.



Meet Our 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

Unmanaged/Managed

100M to 40G Multi-Data Rate

Ethernet Access



Ethernet Switch Switch Series

PoE/Non-PoE

Layer 2, Layer 2+, Layer 3

Ethernet Switching & Routing



Optical Transport Network Series

CWDM/DWDM

100M to 100G Transport

Ethernet Optical Transport

Product Strategy

Unmanaged Mini Fiber Media Converter



Effortlessly connect and convert various data protocols with our Fiber Media Converters.



Upgrade your network speed with our Fiber Media Converter, supporting 100M Fast Ethernet to 10 Gigabit Ethernet conversion.



Customize your network settings with ease using our advanced Fiber Media Converter with embedded DIP switch.



Gigabit Ethernet
Media Converters



2x Gigabit Ethernet
Media Converters

10 Gigabit Ethernet
Media Converters



100M - 10G
Fiber Converters



Managed Fiber Media Converter



Simplify network management and increase efficiency with remote monitoring capabilities of our Managed Fiber Media Converter for FTTO, FTTB and Intelligent Surveillance networks



Increase efficiency and streamline network management with our Web and EMS methods, making it easy to manage multiple services from one centralized location.



Scale your network infrastructure efficiently with our Managed Fiber Media Converter, allowing you to add or upgrade hardware seamlessly as your business expands.

Product Strategy

Layer 2+ Managed Industrial Ethernet Switch

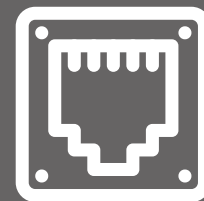
ALL-IN-ONE IIoT Connected Product Solution

Convergence IT and OT Connectivity

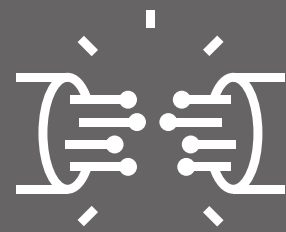
High Port Density and Integration



PoE/PoE+/PoE++



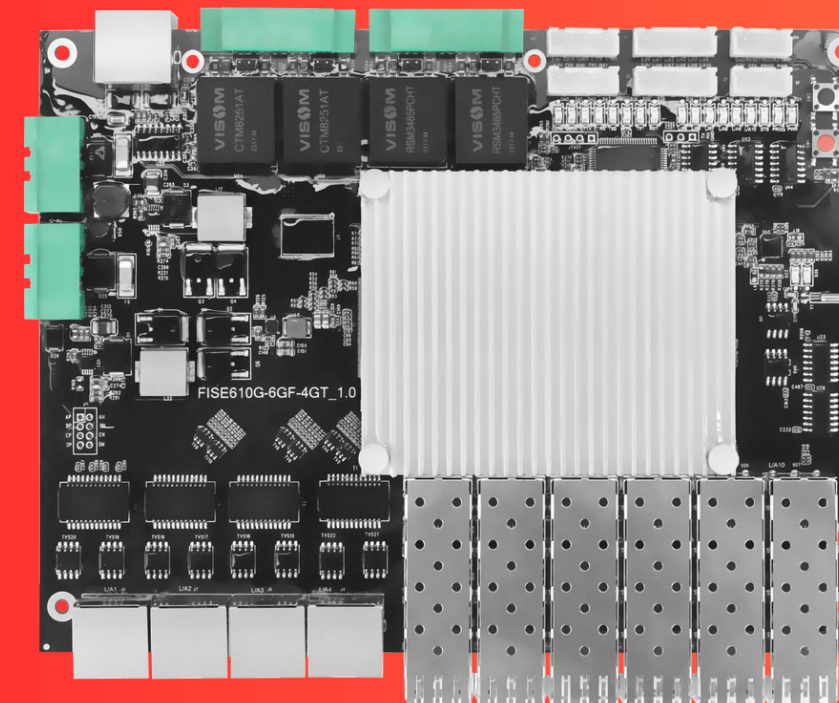
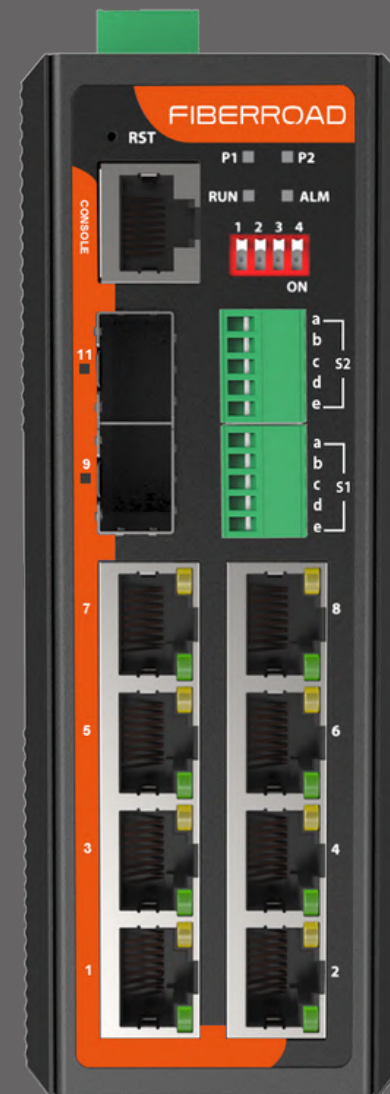
Modbus TCP/IP



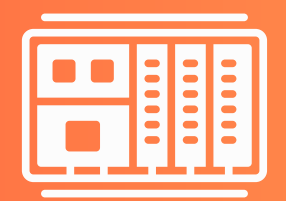
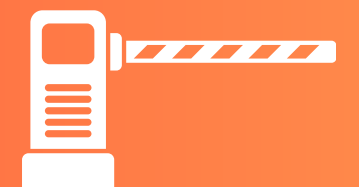
SFP Optical Port



SNMP/MQTT



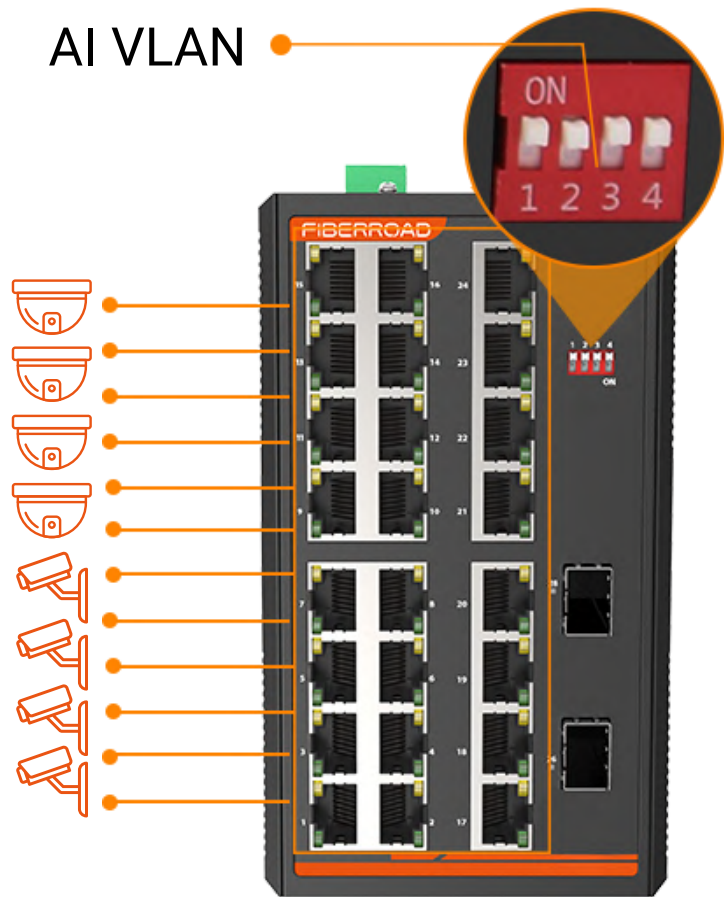
Integrated RS232/422/485
and CAN Bus Port



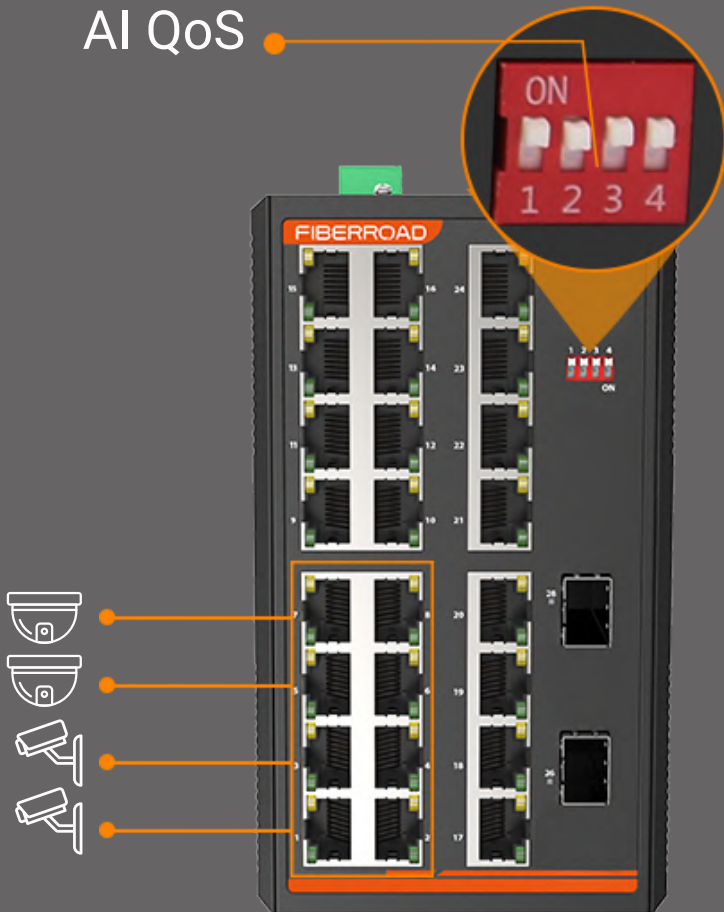
Product Strategy

Unmanaged Industrial PoE 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 Strategy

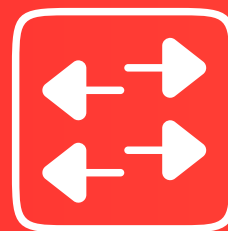
Unmanaged Industrial Ethernet Switch

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. "Auto Pro", which stands for the fusion of two key elements, "Auto" (automation) and "Pro" (professionalism), highlights the double strengths of Fiberroad's products in terms of automation and professionalism.



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

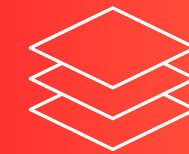


Auto Jumbo Frame technology, which allows the switch to intelligently identify and process jumbo frames, enhancing the efficiency and volume of data transmission.

Product Strategy

Layer 3 Pro Managed Industrial Ethernet Switch

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 & Solution Segmentation

Semi-Industrial Grade



Unmanaged Industrial Ethernet Switch

- -20 to +70°C Operating Temperature
- Support 100M or 1000M Ethernet

**Small CCTV Network
Suitable for Semi-outdoor Space**



Standard Industrial Grade



Unmanaged Industrial Ethernet Switch

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

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



Product & Solution Segmentation

Semi-Industrial Grade



Web Smart Industrial Ethernet Switch

- -20 to +70°C Operating Temperature
- Support Web Management for VLAN and QoS

**Smart IoT & Video Surveillance System
Suitable for Semi-outdoor Space**



Standard Industrial Grade



Web Smart Industrial Ethernet Switch

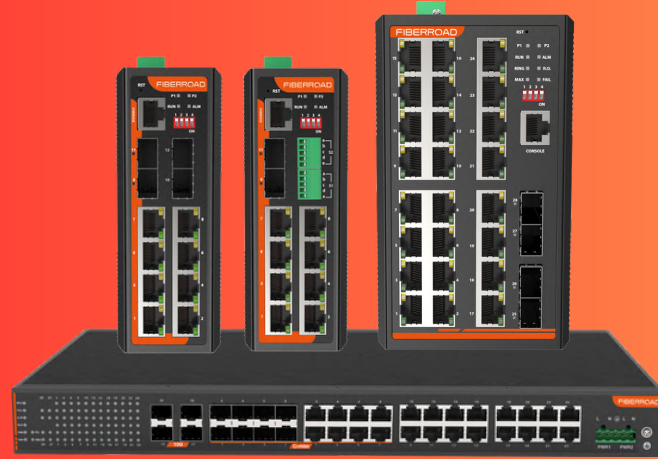
- -40 to +75°C Operating Temperature
- Support Web Management for VLAN and QoS

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



Product & Solution Segmentation

Standard Industrial Grade



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



Standard Industrial Grade



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

Standard Industrial Grade



Layer 3 Pro Managed Industrial Ethernet Switch

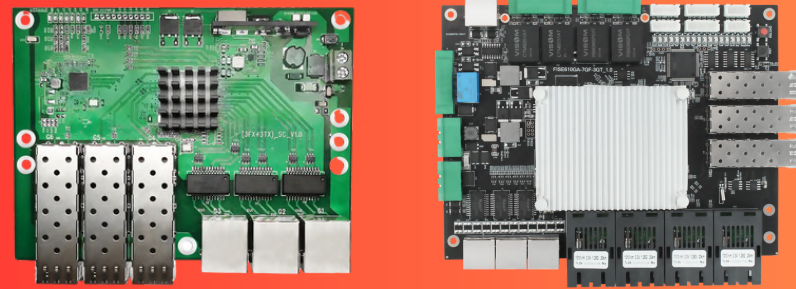
- -40 to +75°C Operating Temperature
- Support WebGUI/CL/NMS/MQTT
- Support RSTP/MSTP/ERPS
- TACACS+, SNMPv3, IEEE 802.1X, HTTPS and SSH to enhance network security
- IEEE 1588v2、 IEEE 802.1AS
IEEE802.1Qbu、 IEEE 802.1Qbv、 IEEE 802.1CB

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



Product & Solution Segmentation

Standard Industrial Grade



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



Cole Mining



Oil & Gas

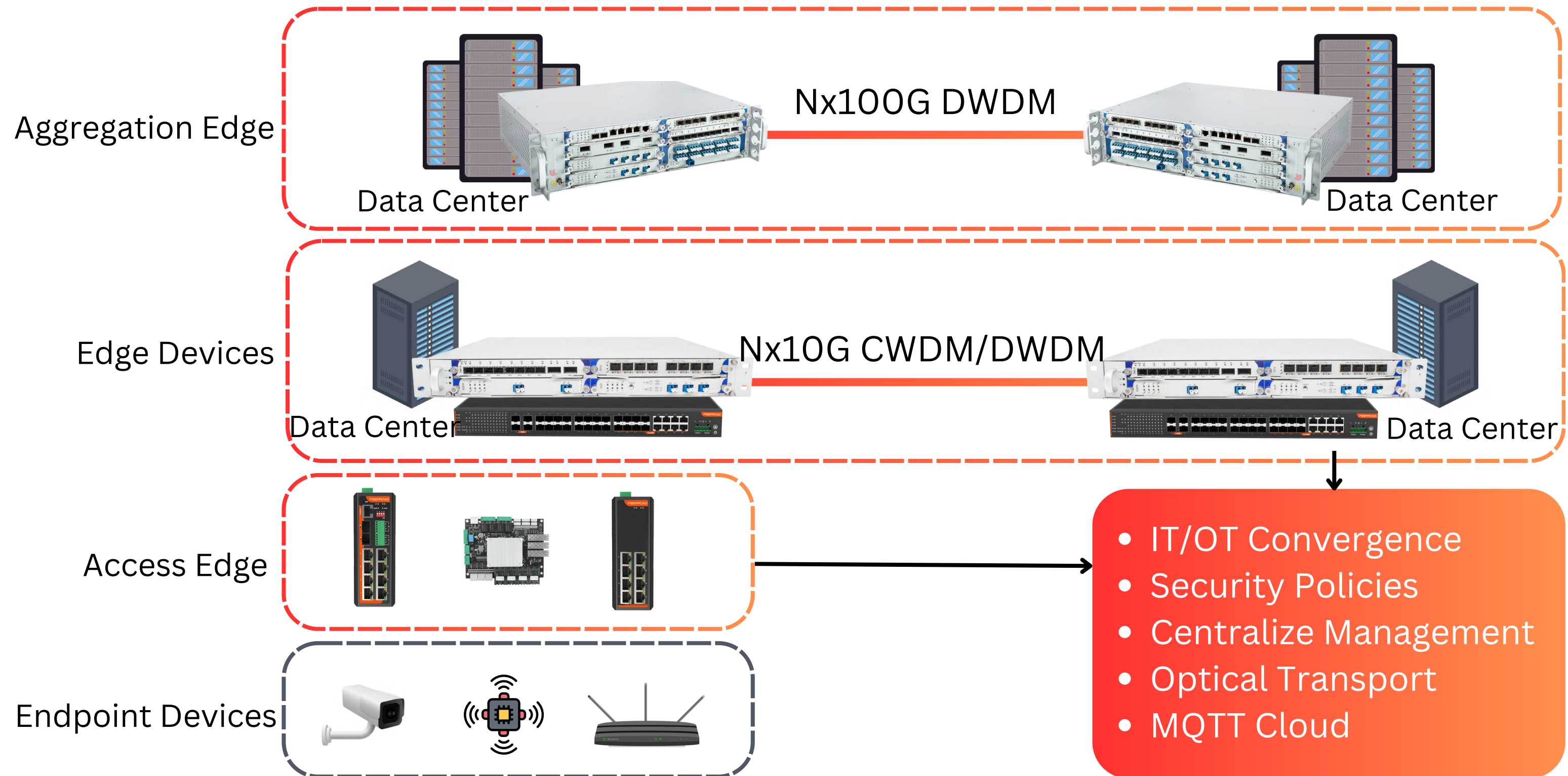


Pipe Gallery

Product Strategy

CWDM/DWDM Optical Transport Network

Edge Network Connectivity



Complete IIoT Connectivity Solution

Implement IIoT Automation Networks with Ethernet Access, Switching, Routing, and Transport.

01
Product Coverage

02
Solution Coverage

Integrated IIoT network, CCTV cameras, IP surveillance system, enabling connectivity in critical environments.

All-in-One IIoT Connectivity Product, High Port Density. Standard Ethernet Protocol, No Protocol Bundles.

03
Product Strategy

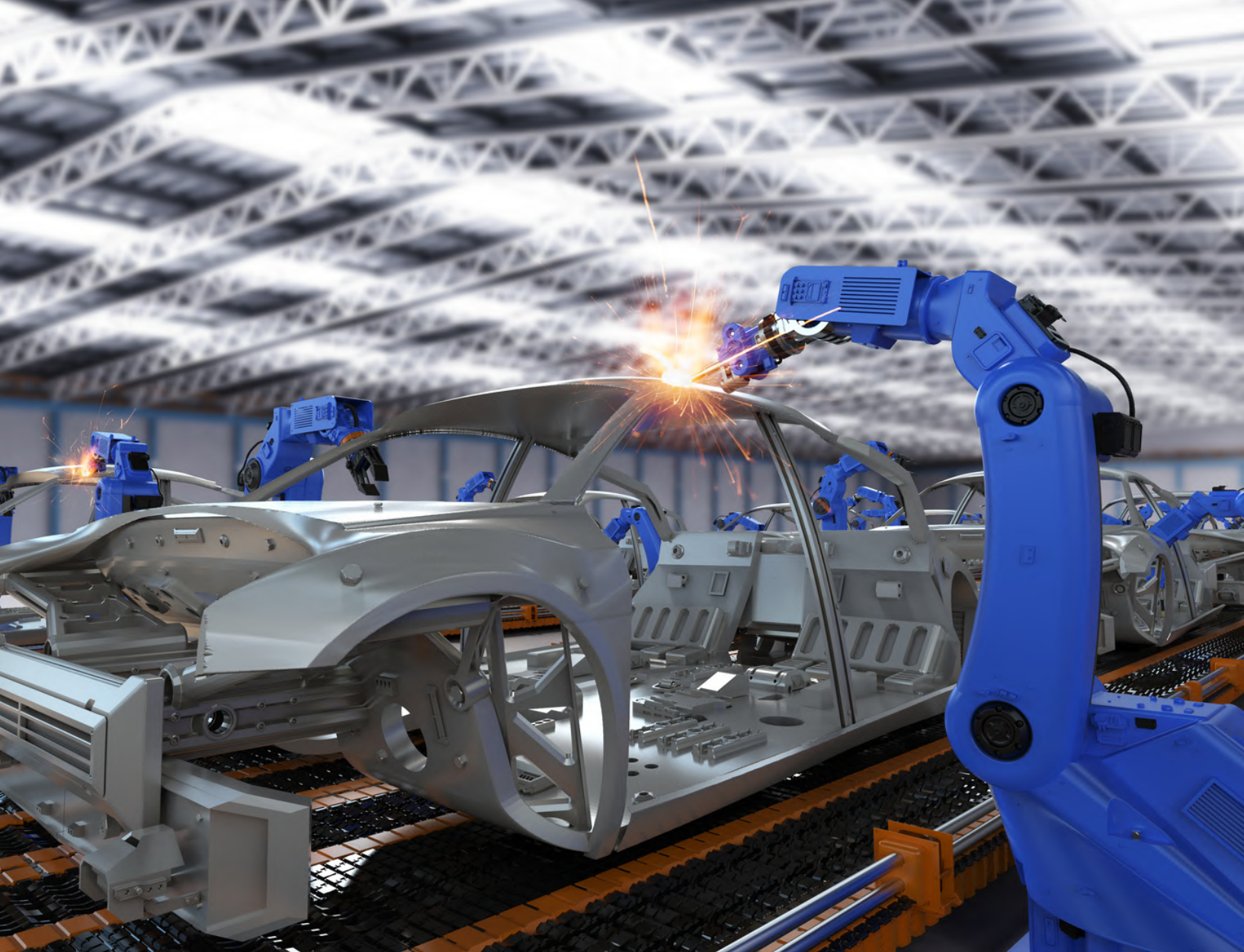
04
Product Innovation

Closely aligned with the development needs of industry, Industry-leading TSN and PoE++ Technology.

Streamline Industrial Network with Fiberroad, the trusted partner and world-class leader in IIoT 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. With a commitment to innovation, quality, and customer satisfaction, we aim to be the leading provider of connectivity solutions for the automation industry, driving efficiency and productivity for our clients.



FIBERROAD®

Thank you
For all your attention

www.fiberroad.com