FIBERROAD

Reliable Industrial Network Connectivity

PRODUCT CATALOG

2026

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WHO WE ARE?

At the forefront of innovation in network technology, we are a rapidly growing technology company dedicated to manufacturing professional network connectivity equipment tailored for international markets. With years of extensive experience and relentless research and development focused on Carrier Ethernet and Industrial Ethernet devices specifically designed for Telecom and IoT applications, our team has cultivated an expansive portfolio that addresses the intricate demands of sectors like Industrial 4.0, Smart City and Data Center.

17 YEARS OF ETHERNET CONNECTIVITY

LONG TERM COMMITMENT

Our goal is to provide top-notch value and ensure our customers and partners worldwide succeed with our ethernet solutions. We're all about deep collaboration to make that happen.

RELIABILITY EXCELLENCE

At Fiberroad, we take security seriously. Our team runs constant safety checks on all our products to identify and squash any potential vulnerabilities.

COST EFFICIENCY

Even if you're using Fiberroad devices in an industrial or commercial setting, the interfaces and controls are intuitive enough for just about anyone to pick up and use right away.

WHO WE OFFER?

Our product line was created to give our partners a chance to get in on the booming Industrial IoT and edge network connection markets. It includes Ethernet Access devices, Switching and Routing gear, and Optical Transport solutions.

Ethernet Access

- Industrial Wireless
- Fiber Media Converter
- Protocol Converter

Switching & Routing

- Layer 2 & 3 Industrial Ethernet
- Ethernet Embedded Modules
- PTP 1588 & TSN

Network Management

- WebGUI Management
- PREVIEW NMS
- FIRO Cloud Management

STRICT QUALITY ASSURANCE

Are you looking for top-quality telecommunication products? Then Fiberroad is the perfect brand that offers high-end solutions to meet your needs. But how does Fiberroad ensure its products are of superior quality and reliability? The answer lies in their rigorous Quality Assurance process, which involves stringent testing at every stage of development. In this blog post, we will take a closer look at the importance of strict testing in Fiberroad's Quality Assurance Process and how it benefits customers who choose their telecommunication products. So buckle up and get ready to learn more about what sets Fiberroad apart from other brands!

3
RESEARCH CENTER

20%
R&D STAFF RATIO

23%
R&D INPUT RATIO

118
SOFTWARE PATENTS

2
PRODUCTION SITES

300K
MONTHLY MANUFACTURING CAPACITY

Fast Ethernet Media Converters

Gigabit Ethernet Media Converters

2*Gigabit Ethernet Media Converters

10 Gigabit Ethernet Media Converters

100M - 10G Fiber Converters

Hot Swappable Redundant Power Supply

36W MAX Power Consumption

Efficient Heat Dissipation

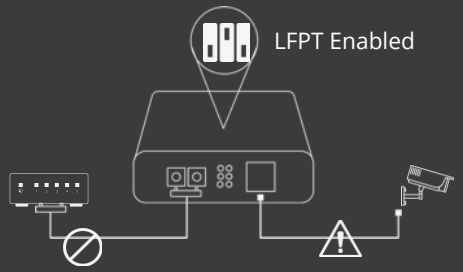
Media Converters

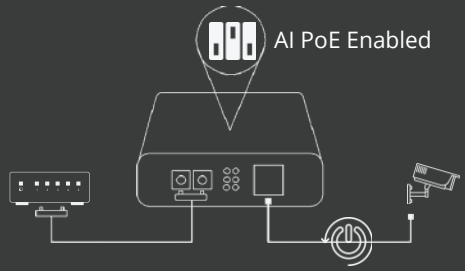
- Compact Media Converters
- Industrial Media Converters
- Managed Media Converters

Compact Media Converters

What Is the DIP Switch on Unmanaged Media Converter?

DIP switch stands for dual in-line package switch. It is a simple and cost-effective component that can help select and change between various hardware or device options. Users just need to toggle each switch between on and off positions to enable and disable certain functions.





FR-POE232

- 1x10/100/1000M RJ45
- 1x1000M SFP Slot
- 802.3 at PoE+ Standard
- LFPT | ALS | FX Reset | Speed
- DC48-52V Power Input
- External Power Supply

FR-POE233

- 2x10/100/1000M RJ45
- 1x1000M SFP Slot
- 802.3 at PoE+ Standard
- Jumbo Frame | VLAN | Speed
- DC48-52V Power Input
- External Power Supply

FR-POE331

- 1x10/100M RJ45
- 1x100M SFP/1x9 Fiber Port
- 802.3 at PoE+ Standard
- Speed | AI PoE | LFPT
- AC 100~240V Power Input
- Internal Power Supply

FR-POE332

- 1x10/100/1000M RJ45
- 1x1000M SFP/1x9 Fiber Port
- 802.3 at PoE+ Standard
- Speed | AI PoE | LFPT
- AC 100~240V Power Input
- Internal Power Supply

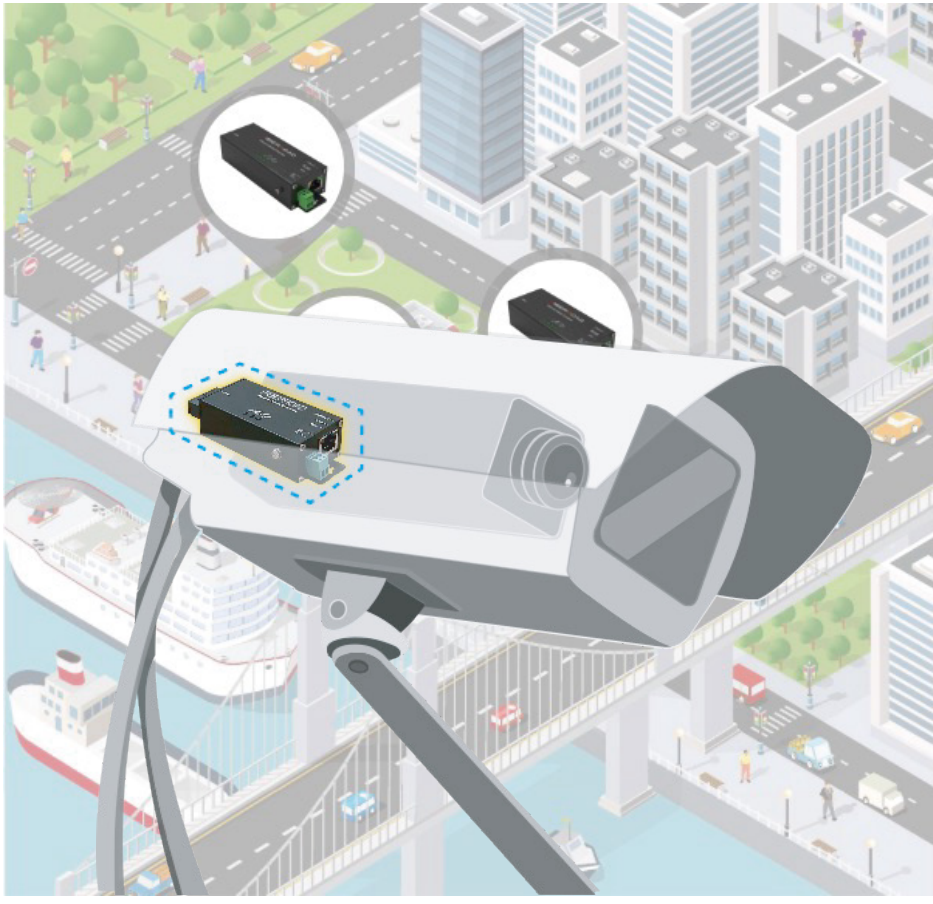
Compact Media Converters

FR-2701-XX

1x10/100M RJ45
1x100M FX
DIP SW: LFPT
DC12V; DC24V; AC24V Power Input
-20℃ to +70℃

FR-2703

1x10/100/1000M RJ45
1x1000M SFP Slot
DIP SW: SPEED | ALS | LFPT
DC12V; DC24V; AC24V Power Input
-20℃ to +70℃



Compact Media Converters

FR-2222

1x100M/1/2.5/5/10G RJ45
1x10G SFP+ Slot
DIP SW: SPEED | ALS | LFPT
DC5-12V Power Input

FR-2206

2x10/100/1000M RJ45
1x1000M SFP Slot
DIP SW:
Jumbo Frame | Port Isolation
DC5-12V Power Input

FR-2100-AA

19" Rack for Mini-type Products with Redundant AC Power Inputs

FR-2201-XX

1x10/100M RJ45
1x100M FX
DIP SW: LFPT | ALS
DC5-12V Power Input

FR-2203-XX

1x10/100/1000M RJ45
1x1000M FX
DIP SW: LFPT | ALS
DC5-12V Power Input

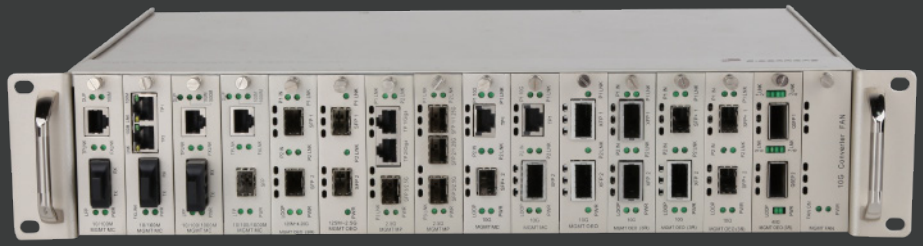
FR-2000-AA

19" Rack for Mini-type Products with Redundant AC Power Inputs

Industrial Media Converters

FR-7N3101/P/BT

RJ45 1x10/100/1000M
SFP/1X9 1x1000M
Jumbo Frame
9K
Power Input
2xDC9-56V
Operating Temp
-40 to +75℃
IP Rating
IP40
Mounting
DIN Rail
Wall Mounting
PoE Standard
FR-7N3101P: 802.3 af/at
FR-7N3101BT: 802.3 af/at/bt

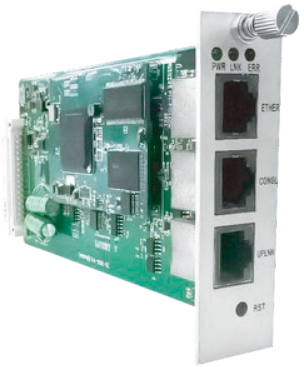


FR-6216-AA/DD
Multi-Service Platform

Managed Media Converters

FR-6000

FR-6102-DD
Standalone Chassis



FR-6216M

FR-6216-AA/DD Chassis

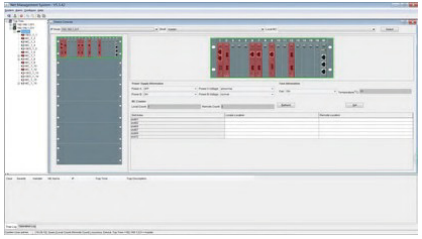
Management Module

Multi-service platform chassis, which provides a reliable solution of high density media converter modules for applications such as telecom operator, enterprise, long haul transmission and factory automation.

The management Module connects to the chassis and communicates with the individual cards in the Managed Chassis. Only management traffic - no end-user data traffic - is sent across the managed Chassis to maintain security.

Each slide-in-module for managed Chassis has specific features and functions that are controlled via the Management Module. A network administrator can configure, monitor and troubleshoot slide-in-modules remotely via the management module. The remote management helps reduce operating expenses (OpEx) by reducing technician dispatches. Remote management allows for faster mean-time-to-repair by proactively receiving traps and alerts on potential issues. With less downtime you are able to focus on revenue generating aspects of your business.

WebGUI Management Interface



NMS Management Interface

Features

- Complete system information can be set up and displayed, including the name of the chassis, terrain information, related information of IP, constant operating time and the versions of the hardware and soft ware
- Real time display of voltage and temperature on the cards of the media converters, temperature of chassis and report fault in time
- Supporting SFP/XFP, CWDM SFP/XFP and DWDM SFP/XFP, and it can show the SFP/XFP information and digital diagnosis function
- Remote power off alarming, precisely distinguish remote failure
- Equipment restart, system or module restart by management software, set-up information on each module will be stored spontaneously when power off
- Reset to factory set up or dip switch status are optional
- Each port at local or remote devices can be set up or tracked, including the connecting status, connecting speed, half/full duplex, port locked and LFP etc.
- Supporting Loopback and PRBS, precisely locating the failure, convenient for link test

Managed Media Converters

Port
1x10/100M RJ45
1x100M SFP/1x9 Fiber Port
Management Features Rate
Limitation | LFPT
Power Input
FR-6101: DC5V
FR-6101R: AC220V/DC48V

Port
2x10/100M RJ45
1x100M SFP/1x9 Fiber Port
Management Features Rate
Limitation |VLAN Model
Power Input
FR-6102: DC5V
FR-6102R: AC220V/DC48V

Port
1x10/100/1000M RJ45
1x1000M SFP/1x9 Fiber Port
Management Features Rate
Limitation | LFPT
Power Input
FR-6103: DC5V
FR-6103R: AC220V/DC48V

Port
2x10/100/1000M RJ45
1x1000M SFP Fiber Port
Management Features Rate
Limitation | VLAN Mode
Power Input
FR-6104: DC5V
FR-6104R: AC220V/DC48V

Port
1x10G RJ45
1x10G SFP+
Management Features
Loopback Mode | SFP+ Status
Power Input
FR-6601: DC5V
FR-6601R: AC220V/DC48V

FR-6000-ODM

4 Channels CWDM M/DEMUX
Wavelength
1270-1330nm(Default)
Channel Spacing
20nm
Insertion Loss
≤1.3dB, 1.0dB

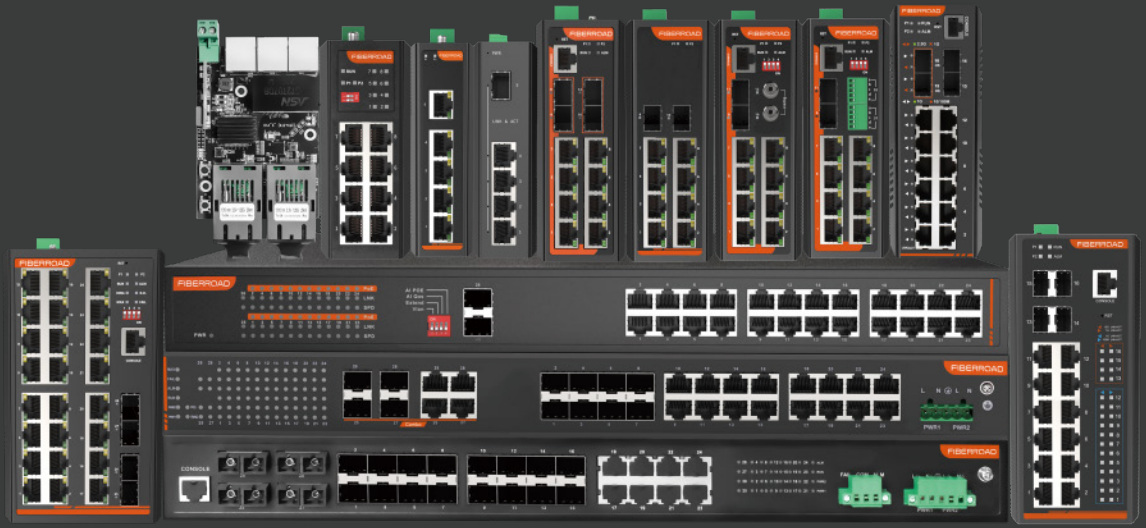
Managed Media Converters

2.5G Optical Transponder
Port
2x125M to 2.5G SFP Slots
Power Input
FR-6201: DC5V
FR-6201R: AC220V/DC48V

4.25G Optical Transponder
Port
2x125M to 4.25G SFP Slots
Power Input
FR-6202: DC5V
FR-6202R: AC220V/DC48V

10G 1R Optical Transponder
Port
2x9.95 to 11.32G XFP Slots
Power Input
FR-6602: DC5V
FR-6602R: AC220V/DC48V

10G 3R Optical Transponder
Port
2x8.5 to 11.7G SFP+ Slots
Power Input
FR-6604: DC5V
FR-6604R: AC220V/DC48V



Industrial Ethernet Switches

- L2+/L3 Managed Ethernet Switches
- L2+/L3 Managed Fiber Switches
- Web Smart Ethernet Switches
- Industrial Automation Switches
- PROFINET Unmanaged Switches

L2+/L3 Managed Ethernet Switches

Management and Maintenance

- Console, Telnet, SSH 2.0
- HTTP/HTTPS
- SNMP v1/v2/v3
- Upload and download files vis TFTP/FTP
- SNTP/TELNET/SSHv1/v2
- ICMPv6/ICMPv4 Remote Ping
- LLDP/LLDP-MED/UDLD

L2 Features

- 802.1d (STP), 802.1d (RSTP), 802.1s (MSTP) BPDU Guard, BPDU filtering
- ERPS(G.8032v2)
- Loopback Detection
- Link Aggregation/LACP/Stack Trunk/ Traffic Load Balancing

VLAN

- IEEE 802.1Q tag-based VLAN
- 4K VLAN Entries
- QinQ/Selective QinQ
- MAC-based VLAN
- GVRP
- Voice / Surveillance VLAN
- MVR (Multicast VLAN Registration)

Security Features

- Suppression of broadcast, multicast and unknown unicast packet
- Static MAC address
- IP Source Guard
- DoS attacks prevention
- Dynamic ARP Inspection
- DHCP snooping, DHCP option43/82 DHCP Client IPv4/IPv6
- Port-based IEEE 802.1x authentication
- MAC-based/Local/RADIUS authentication
- AAA(RADIUS/TACACS+)

MAC Table

- Static MAC Entries
- Configurable aging time of MAC address
- Independent learning mode per Port

Routing Protocols

- RIPv1/v2
- OSPFv1/v2
- IPv4/IPv6 Static Route

IPv6 Application

- HTTP/HTTPs
- SSH/SNMP
- TFTP/Syslog/Ping
- DHCP/ACL

Monitoring Functions

- Interface Statistics
- CPU/RAM Utilization Monitoring
- Temperature Monitoring
- Port Cable Test/Ping Test
- Port Mirroring
- RMON

QoS

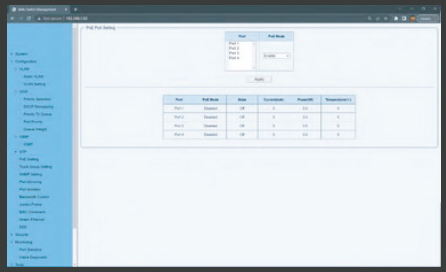
- 802.1P/DSCP Class of Service
- Scheduling algorithms such as SP, WRRl, WFQ or Hybrid(WRR+SP or WFQ+SP)
- Ingress/Egress Rate Limitation

Multicast Features

- Dynamic/Static Multicast groups
- IGMP Snooping v1,2,3
- IGMP Snooping Fast Leave
- GMP Querier
- MLD Snooping v1/v2

ALC

- L2/L3/L4 ACL
- ACL Based on:
  1. Source/Destination MAC
  2. VLAN
  3. COS
  4. Ethernet Type



WebGUI Management Interface

PORT SETTING

SPEED/DUPLEX
FLOW CONTROL
BANDWIDTH CONTROL
PORT ISOLATION

VLAN & QOS

VLAN SETTING
TRUNK GROUP SETTING
QOS PRIORITY SELECTION
QOS DSCP REMAPPING

OTHERS

RSTP CONFIGURATION
STORM CONTROL
SECURITY MAC ADDRESS
FIRMWARE UPGRADE

FR-7S3204/P/BT

Port
4x10/100/1000M RJ45
2x1000M SFP Slots
Power Supply
6-pin Phoenix Contact, 2x9-56VDC
Switching Property
512K Buffer Size
9K Jumbo Frame
2K MAC Address
14Gbps Bandwidth
Environmental
-40 to 75℃ Operating Temp
IP40 Rating
PoE Standard
FR-7N3204P: Port 1-4 802.3 af/at
FR-7N3204BT: Port 1-4 802.3 af/at/bt

L2+ Managed Ethernet Switches

FR-7M3204/P/BT

Port
4x10/100/1000M RJ45
2x100/1000M SFP Slots
Power Supply
6-pin Phoenix Contact, 2x9-56VDC
Switching Property
4M Buffer Size
10K Jumbo Frame
8K MAC Address
36Gbps Bandwidth
Environmental
-40 to +75℃ Operating Temp
IP40 Rating
PoE Standard
FR-7M3204P: Port 1-4 802.3 af/at
FR-7M3204BT: Port 1-4 802.3 af/at/bt

FR-7M3008L

Port
8x10/100/1000M RJ45
Power Supply
6-pin Phoenix Contact, 2x9-56VDC
Switching Property
4M Buffer Size
10K Jumbo Frame
8K MAC Address
36Gbps Bandwidth
Environmental
-40 to +75℃ Operating Temp
IP40 Rating

FR-7M3008P/P-24V/BT

Port
8x10/100/1000M RJ45
Power Supply
6-pin Phoenix Contact, 2x9-56VDC
Switching Property
4M Buffer Size
10K Jumbo Frame
8K MAC Address
36Gbps Bandwidth
Environmental
-40 to +75℃ Operating Temp
IP40 Rating
PoE Standard
FR-7M3008P: Port 1-8 802.3 af/at
FR-7M3008P-24V: Port 1-8 802.3 af/at
FR-7M3008BT: Port 1-8 802.3 af/at/bt

L2+ Managed Ethernet Switches

FR-7M3208L

Port
8x10/100/1000M RJ45
2x100/1000M SFP Slots
Power Supply
6-pin Phoenix Contact, 2x9-56VDC
Switching Property
4M Buffer Size
10K Jumbo Frame
8K MAC Address
36Gbps Bandwidth
Environmental
-40 to +75℃ Operating Temp
IP40 Rating
Housing & mounting
Aluminium housing with DIN Rail or wall mounting option

FR-7M3208P/P-24V/BT

Port
8x10/100/1000M RJ45
2x100/1000M SFP Slots
Power Supply
6-pin Phoenix Contact, 2x9-56VDC
Switching Property
4M Buffer Size
10K Jumbo Frame
8K MAC Address
36Gbps Bandwidth
Environmental
-40 to +75℃ Operating Temp
IP40 Rating
PoE Standard
FR-7M3204P: Port 1-4 802.3 af/at
FR-7M3204P-24V: Port 1-4 802.3 af/at
FR-7M3204BT: Port 1-4 802.3 af/at/bt

FR-7M3408/P/P-24V/BT

Port
8x10/100/1000M RJ45
4x100/1000M SFP Slots
Power Supply
6-pin Phoenix Contact, 2x9-56VDC
Switching Property
4M Buffer Size
10K Jumbo Frame
8K MAC Address
36Gbps Bandwidth
Environmental
-40 to +75℃ Operating Temp
IP40 Rating
PoE Standard
FR-7M3408P: Port 1-8 802.3 af/at
FR-7M3408P-24V: Port 1-8 802.3 af/at
FR-7M3408BT: Port 1-8 802.3 af/at/bt

L2+ Managed Ethernet Switches

FR-7M3208S/SP/SBT

Port
8x10/100/1000M RJ45
2x100/1000M SFP Slots
2x RS485/422/232 Serial Ports
Power Supply
6-pin Phoenix Contact, 2x9-56VDC
Switching Property
4M Buffer Size
10K Jumbo Frame
8K MAC Address 3
6Gbps Bandwidth
Environmental
-40 to +75℃ Operating Temp
IP40 Rating
PoE Standard
FR-7M3208SP: Port 1-8 802.3 af/at
FR-7M3208SBT: Port 1-8 802.3 af/at/bt

FR-7M3208F/FP/FBT

Port
8x10/100/1000M RJ45
2x1000Base-X Optical Fiber Bypass
Power Supply
6-pin Phoenix Contact, 2x9-56VDC
Switching Property
4M Buffer Size
10K Jumbo Frame
8K MAC Address
36Gbps Bandwidth
Environmental
-40 to +75℃ Operating Temp
IP40 Rating
PoE Standard
FR-7M3208FP: Port 1-8 802.3 af/at
FR-7M3208FBT: Port 1-8 802.3 af/at/bt

FR-7M3416/P/P-24V/BT

Port
16x10/100/1000M RJ45
4x100/1000M SFP Slots
Power Supply
6-pin Phoenix Contact, 2x9-56VDC
Switching Property
4M Buffer Size
10K Jumbo Frame
8K MAC Address
56Gbps Bandwidth
Environmental
-40 to +75℃ Operating Temp
IP40 Rating
PoE Standard
FR-7M3416P: Port 1-16 802.3 af/at
FR-7M3416P-24V: Port 1-16 802.3 af/at
FR-7M3416BT: Port 1-16 802.3 af/at/bt

L2+ Managed Ethernet Switches

FR-7M3816/P/BT

Port
16x10/100/1000M RJ45
8x100/1000M SFP Slots
Power Supply
6-pin Phoenix Contact, 2x9-56VDC
Switching Property
4M Buffer Size
10K Jumbo Frame
8K MAC Address
56Gbps Bandwidth
Environmental
-40 to +75℃ Operating Temp
IP40 Rating
PoE Standard
FR-7M3816P: Port 1-16 802.3 af/at
FR-7M3816BT: Port 1-16 802.3 af/at/bt

FR-7M348F/FP/FBT

Port
16x10/100/1000M RJ45
12x100/1000M SFP Slots
Power Supply
6-pin Phoenix Contact, 2x9-56VDC
Switching Property
4M Buffer Size
10K Jumbo Frame
8K MAC Address
56Gbps Bandwidth
Environmental
-40 to +75℃ Operating Temp
IP40 Rating
PoE Standard
FR-7M348FP: Port 1-16 802.3 af/at
FR-7M348FBT: Port 1-16 802.3 af/at/bt

FR-7M3424/P/BT

Port
24x10/100/1000M RJ45
4x100/1000M SFP Slots
Power Supply
6-pin Phoenix Contact, 2x9-56VDC
Switching Property
4M Buffer Size
10K Jumbo Frame
8K MAC Address
56Gbps Bandwidth
Environmental
-40 to +75℃ Operating Temp
IP40 Rating
PoE Standard
FR-7M3424P: Port 1-24 802.3 af/at
FR-7M3424BT: Port 1-24 802.3 af/at/bt

L2+ Managed Ethernet Switches

FR-9M3424/P/BT

Port
24x10/100/1000M RJ45
4x1000M SFP/RJ45 Combo
Power Supply
5-pin Phoenix Contact, 2x9-56VDC
Switching Property
4M Buffer Size
10K Jumbo Frame
8K MAC Address
56Gbps Bandwidth
Environmental
-40 to +75℃ Operating Temp
IP40 Rating
PoE Standard
FR-9M3424P: Port 1 to 24 802.3 af/at
FR-9M3424BT: Port 1 to 24 802.3 af/at/bt

FR-5M3208/P/BT

Port
8x10/100/1000M RJ45
2x1000M SFP Slots
Power Supply
Internal power adapter
AC100-240V 50-60Hz
Switching Property
4M Buffer Size
10K Jumbo Frame
8K MAC Address
36Gbps Bandwidth
Layer 2 Management Features
ERPSv2/RSTP/MSTP
SNMP v1/v2/v3
4K VLAN Entries, QinQ
L2/L3/L4 ACL
DHCP snooping, DHCP option82
IEEE 802.1x authentication
PoE Standard
FR-5M3208P: Port 1-8 802.3 af/at
FR-5M3208BT: Port 1-8 802.3 af/at/bt

FR-5M3224/P/BT

Port
24x10/100/1000M RJ45
2x1000M SFP Slots
Power Supply
Internal power adapter AC100-240V
50-60Hz
Switching Property
4M Buffer Size
10K Jumbo Frame
8K MAC Address
56Gbps Bandwidth
Layer 2 Management Features
ERPSv2/RSTP/MSTP
SNMP v1/v2/v3
4K VLAN Entries, QinQ
L2/L3/L4 ACL
DHCP snooping, DHCP option82
IEEE 802.1x authentication
PoE Standard
FR-5M3224P: Port 1-24 802.3 af/at
FR-5M3224BT: Port 1-24 802.3 af/at/bt

L2+ Managed Ethernet Switches

FR-5M3424/P/BT

Port
24x10/100/1000M RJ45
4x1000M RJ45/SFP Combo
Power Supply
Internal power adapter
AC100-240V 50-60Hz
Switching Property
4M Buffer Size
10K Jumbo Frame
8K MAC Address
56Gbps Bandwidth
Layer 2 Management Features
ERPSv2/RSTP/MSTP
SNMP v1/v2/v3
4K VLAN Entries, QinQ
L2/L3/L4 ACL
DHCP snooping, DHCP option82
IEEE 802.1x authentication
PoE Standard
FR-5M3424P: Port 1-24 802.3 af/at
FR-5M3424BT: Port 1-24 802.3 af/at/bt

FR-5M4648/P

Port
48x10/100/1000M RJ45
6x1000M/10G SFP+
Power Supply
Internal power adapter
AC100-240V 50-60Hz
Switching Property
4M Buffer Size
10K Jumbo Frame
8K MAC Address
56Gbps Bandwidth
Layer 2 Management Features
ERPSv2/RSTP/MSTP
SNMP v1/v2/v3
4K VLAN Entries, QinQ
L2/L3/L4 ACL
DHCP snooping, DHCP option82
IEEE 802.1x authentication
PoE Standard
FR-5M3424P: Port 1-24 802.3 af/at

L3 Managed Ethernet Switches

FR-7T4408

Port
8x10/100/1000M RJ45
4x10G SFP+ Slot
Power Supply
6-pin Industrial Terminal,
Dual 9-56VDC
Switching Property
12M Buffer Size
10K Jumbo Frame
16K MAC Address
128Gbps Bandwidth
Environmental
-40 to +75℃ Operating Temp
5%-95%(No condensation) Humidity

FR-9T448F

Port
16x10/100/1000M RJ45
8x1000M SFP/RJ45 Combo
4x10G SFP+ Slots
Power Supply
5-pin Industrial Terminal,
Dual AC220V
Switching Property
12M Buffer Size
12K Jumbo Frame
16K MAC Address
128Gbps Bandwidth
Environmental
-40 to +75℃ Operating Temp
5%-95%(No condensation) Humidity

FR-9T4424/P/BT

Port
24x10/100/1000M RJ45
4x10G SFP+ Slots
Power Supply
5-pin Industrial Terminal,
Dual 9-56VDC
Switching Property
12M Buffer Size
12K Jumbo Frame
16K MAC Address
128Gbps Bandwidth
Environmental
-40 to +75℃ Operating Temp
5%-95%(No condensation) Humidity
PoE Standard
FR-9T4424P: Port 1-24 802.3 af/at
FR-9T4424BT: Port 1-24 802.3 af/at/bt

L3 Managed Ethernet Switches

FR-9T4648

Port
48x10/100/1000M RJ45
6x1/10G SFP+ Slot
Power Supply
Dual 110-240VAC
Switching Property
12M Buffer Size
12K Jumbo Frame
16K MAC Address
256G Bandwidth Environmental
-40 to +75℃ Operating Temp
5%-95%(No condensation) Humidity

FR-5T4424P/BT

Port
24x10/100/1000M RJ45
4x10G SFP+ Slots
Power Supply
Internal power adapter
AC100-240V 50-60Hz
Switching Property
12M Buffer Size
12K Jumbo Frame
16K MAC Address
128Gbps Bandwidth
Layer 3 Management Features
ERPSv2/RSTP/MSTP/LACP
SNMPv3/TACACS+/RADIUS
4K VLAN Entries, QinQ, Voice VLAN
802.1P/DSCP Class of Service L2/L3/L4
ACL/MLD Snooping v1/v2
RIPv2/OSPFv2/IPv4/IPv6 Static Route
DHCP snooping, DHCP option 43/82
IP Source Guard/DoS attacks prevention
PoE Standard
FR-5T4424P: Port 1-24 802.3 af/at
FR-5T4424BT: Port 1-24 802.3 af/at/bt

FR-5T4624

Port
24x10/100/1000M RJ45
6x10G SFP+ Slots
Power Supply
Internal power adapter
AC100-240V 50-60Hz
Switching Property
12M Buffer Size
12K Jumbo Frame
16K MAC Address
128Gbps Bandwidth
Layer 3 Management Features
ERPSv2/RSTP/MSTP/LACP
SNMPv3/TACACS+/RADIUS
4K VLAN Entries, QinQ, Voice VLAN
802.1P/DSCP Class of Service
L2/L3/L4 ACL/MLD Snooping v1/v2
RIPv2/OSPFv2/IPv4/IPv6 Static Route
DHCP snooping, DHCP option 43/82
IP Source Guard/DoS attacks prevention

L2+/L3 Managed Fiber Switches

Management and Maintenance

- Console, Telnet, SSH 2.0
- HTTP/HTTPS
- SNMP v1/v2/v3
- Upload and download files vis TFTP/FTP
- SNTP/TELNET/SSHv1/v2
- ICMPv6/ICMPv4 Remote Ping
- LLDP/LLDP-MED/UDLD

L2 Features

- 802.1d (STP), 802.1d (RSTP), 802.1s (MSTP) BPDU Guard, BPDU filtering
- ERPS(G.8032v2)
- Loopback Detection
- Link Aggregation/LACP/Stack Trunk/ Traffic Load Balancing

VLAN

- IEEE 802.1Q tag-based VLAN
- 4K VLAN Entries
- QinQ/Selective QinQ
- MAC-based VLAN
- GVRP
- Voice / Surveillance VLAN
- MVR (Multicast VLAN Registration)

Security Features

- Suppression of broadcast, multicast and unknown unicast packet
- Static MAC address
- IP Source Guard
- DoS attacks prevention
- Dynamic ARP Inspection
- DHCP snooping, DHCP option43/82 DHCP Client IPv4/IPv6
- Port-based IEEE 802.1x authentication
- MAC-based/Local/RADIUS authentication
- AAA(RADIUS/TACACS+)

MAC Table

- Static MAC Entries
- Configurable aging time of MAC address
- Independent learning mode per Port

Routing Protocols

- RIPv1/v2
- OSPFv1/v2
- IPv4/IPv6 Static Route

IPv6 Application

- HTTP/HTTPs
- SSH/SNMP
- TFTP/Syslog/Ping
- DHCP/ACL

Monitoring Functions

- Interface Statistics
- CPU/RAM Utilization Monitoring
- Temperature Monitoring
- Port Cable Test/Ping Test
- Port Mirroring
- RMON

QoS

- 802.1P/DSCP Class of Service
- Scheduling algorithms such as SP, WRRl, WFQ or Hybrid(WRR+SP or WFQ+SP)
- Ingress/Egress Rate Limitation

Multicast Features

- Dynamic/Static Multicast groups
- IGMP Snooping v1,2,3
- IGMP Snooping Fast Leave
- GMP Querier
- MLD Snooping v1/v2

ALC

- L2/L3/L4 ACL
- ACL Based on:
  1. Source/Destination MAC
  2. VLAN
  3. COS
  4. Ethernet Type

L2+ Managed Fiber Switches

FR-7M3808

Port
8x10/100/1000M RJ45
8x100/1000M SFP Slots
Power Supply
6-pin Phoenix Contact, 2x9-56VDC
Switching Property
4M Buffer Size
10K Jumbo Frame
8K MAC Address
56Gbps Bandwidth
Environmental
-40 to +75℃ Operating Temp
IP40 Rating

FR-9M34F8A

Port
8x10/100/1000M RJ45
16x100/1000M SFP Slots
4x1000M SFP/RJ45 Combo
Power Supply
5-pin Phoenix Contact
2xAC220V
Switching Property
4M Buffer Size
10K Jumbo Frame
8K MAC Address
56Gbps Bandwidth
Environmental
-40 to +75℃ Operating Temp
IP40 Rating

FR-5M34F8

Port
8x10/100/1000M RJ45
16x1000M SFP Slots
4x1000M RJ45/SFP Combo
Power Supply
Internal power adapter
AC100-240V 50-60Hz
Switching Property
4M Buffer Size
10K Jumbo Frame
8K MAC Address
56Gbps Bandwidth
Layer 2 Management Features
ERPSv2/RSTP/MSTP
SNMP v1/v2/v3
4K VLAN Entries, QinQ
L2/L3/L4 ACL
DHCP snooping, DHCP option82
IEEE 802.1x authentication

PREVIEW

Network Management System

- High compatibility and reliability, supporting the mainstream browsers.
- Support all Fiberroad IP-based hardware & extension of third-party devices.
- Automatically discovers and diagrams network topology.
- Dynamic Connectivity Indication – PoE, Ring.
- Make network administration more effective and efficient.

L3 Managed Fiber Switches

FR-9T44F8

Port
16x1000M SFP Slot
4x10G SFP+ Slots
8x1000M SFP/RJ45 Combo
Power Supply
5-pin Industrial Terminal
2xAC220V
Switching Property
12M Buffer Size
12K Jumbo Frame
16K MAC Address
128Gbps Bandwidth
Environmental
-40 to +75℃ Operating Temp
5%-95%(No condensation) Humidity

FR-5T44F8

Port
16x100/1000M SFP Slot
4x10G SFP+ Slots
8x1000M RJ45/SFP Combo
Power Supply
Internal power adapter
AC100-240V 50-60Hz
Switching Property
12M Buffer Size
12K Jumbo Frame
16K MAC Address
128Gbps Bandwidth
Layer 3 Management Features
ERPSv2/RSTP/MSTP/LACP
SNMPv3/TACACS+/RADIUS
4K VLAN Entries, QinQ, Voice VLAN
802.1P/DSCP Class of Service
L2/L3/L4 ACL/MLD Snooping v1/v2
RIPv2/OSPFv2/IPv4/IPv6 Static Route
DHCP snooping, DHCP option 43/82
IP Source Guard/DoS attacks prevention

Industrial Automation Switches
Time Sensitive Networking (TSN)

Management and Maintenance

- Console, Telnet, SSH 2.0
- HTTP/HTTPS
- SNMP v1/v2/v3
- Upload and download files vis TFTP/FTP
- NTP/TELNET/SSHv1/v2
- ICMPv6/ICMPv4 Remote Ping
- LLDP/LLDP-MED/UDLD/sFlow

Redundancy Features

- 802.1d (STP), 802.1d (RSTP), 802.1s (MSTP), BPDU Guard, BPDU filtering
- ERPS(G.8032v2)
- Loopback Protection
- IEEE 802.3ad LACP/static trunk
- MRP(Media Redundancy Protocol)
- APS Protocol

VLAN

- IEEE 802.1Q tag-based VLAN
- 4K VLAN Entries
- QinQ/Selective QinQ
- MAC/Protocol/IP Subnet-based VLAN
- MVRP/GVRP/Private VLANs
- Voice / Surveillance VLAN

OAM

- IEEE 802.3ah Ethernet OAM
- Dying Gasp
- IEEE 802.1ag CFM
- IEEE 802.3ah UDLD

Security Features

- Static MAC address
- IPv4/v6 IP Source Guard
- Dynamic ARP Inspection
- Guest VLAN
- DHCP snooping, DHCP option43/82
- DHCP Client IPv4/IPv6
- Port-based IEEE 802.1x authentication
- MAC-based/Local/RADIUS authentication
- AAA(RADIUS/TACACS+)

MAC Table

- Static MAC Entries
- Configurable aging time of MAC address
- Independent learning mode per Port

Time Synchronization

- IEEE 1588v2 PTP
- 802.1AS-Rev
- 802.1Qbv
- 802.1Qci
- 802.1CB
- 802.1Qbu

ALC

- L2/L3/L4 ACL
- ACL Based on:
  1. Source/Destination MAC
  2. VLAN
  3. COS
  4. Ethernet Type

Monitoring Functions

- Interface Statistics
- CPU/RAM Utilization Monitoring
- Temperature Monitoring
- Port Cable Test/Ping Test
- Port Mirroring
- RMON
- UPnP(Universal Plug and Play)

QoS

- Shaping, Policing
- IEEE 802.1p Class of Service (CoS)
- Storm Control
- Bandwidth management
- Scheduling:SP/WRR
- ACL-based traffic classification
- ACL-based CoS/DSCP assignment
- DSCP to CoS remarking
- CoS to DSCP remarking
- ACL-based VLAN assignment

Multicast Features

- Dynamic/Static Multicast groups
- IGMP Snooping v1,2,3
- Port-based IGMP Fast Leave
- GMP Querier
- MLD Snooping v1/v2

Routing Protocols

- RIPv1/v2
- OSPFv1/v2/v3
- IPv4/IPv6 Static Route

Industrial Automation Switches – L2+ Managed Ethernet Switches

FR-PTP3412

Port
12x1000M RJ45
4x1.25/2.5G SFP Slots
Power Supply
6-pin Industrial Terminal,
2x9-56VD
Switching Property
4M Buffer Size
9.6K Jumbo Frame
8K MAC Address
36Gbps Bandwidth
Environmental
-40 to +75℃ Operating Temp
5%-95%(No condensation) Humidity
Time Synchronization
IEEE 1588v2 PTP

Industrial Automation Switches – L2+ & L3 Managed Ethernet Switches

FR-TSN3206

Port
6x10/100/1000M RJ45
2x1000M/1.25G/2.5G SFP Slots
Power Supply
6-pin Industrial Terminal, 2x9-56VDC
Switching Property
12M Buffer Size
15K Jumbo Frame
8K MAC Address
64Gbps Bandwidth
Environmental
-40 to +75℃ Operating Temp
5%-95%(No condensation) Humidity
Time Synchronization
IEEE 1588v2 PTP/802.1AS-Rev
802.1Qbv / 802.1Qci
802.1CB / 802.1Qbu

FR-TSN4208

Port
8x10/100/1000M RJ45
2x10G SFP+ Slot
Power Supply
6-pin Industrial Terminal, 2x9-56VDC
Switching Property
12M Buffer Size
15K Jumbo Frame
8K MAC Address
64Gbps Bandwidth
Environmental
-40 to +75℃ Operating Temp
5%-95%(No condensation) Humidity
Time Synchronization
IEEE 1588v2 PTP/802.1AS-Rev
802.1Qbv / 802.1Qci
802.1CB / 802.1Qbu

FR-TSN4412

Port
12x1000M SFP Slot
4x10G SFP+ Slot
Power Supply
6-pin Industrial Terminal, 2x9-56VDC
Switching Property
32M Buffer Size
15K Jumbo Frame
32K MAC Address
128Gbps Bandwidth
Environmental
-40 to +75℃ Operating Temp
5%-95%(No condensation) Humidity
Time Synchronization
IEEE 1588v2 PTP/802.1AS-Rev
802.1Qbv / 802.1Qci
802.1CB / 802.1Qbu

PROFINET
Unmanaged Switches

Auto Broadcast Suppression

The switch independently learns the addresses of termination devices connected to a port by evaluating the source addresses in the data.

Auto PROFINET PTCP Filtering

Auto PROFINET PTCP Filtering blocks PROFINET PTCP-Delay traffic. Because PTCP-Delay uses the same MAC address (01-80-C2-00-00-0E), the filter blocks LLDP traffic as well.

Auto QoS Priority

Auto QoS, when heavy traffic occurs, packets with an 802.1Q priority level of 4 to 7 or with an IPv4 Type of Service Precedence value of one or more are considered high priority.

PROFINET Unmanaged Switches

FICE1005/2005

Port
FICE1005: 5x10/100M RJ45
FICE2005: 5x10/100/1000M RJ45
Power Supply
6-pin Phoenix Contact, 2x12-48VDC
Switching Property
512K Buffer Size
2048 bytes Frame
2K MAC Address
1Gbps Bandwidth
Environmental
-40 to +75℃ Operating Temp
IP40 Rating
Housing & mounting
Aluminium housing with DIN Rail or
wall mounting option

FICE1008/2008

Port
FICE1008: 8x10/100M RJ45
FICE2008: 8x10/100/1000M RJ45
Power Supply
6-pin Phoenix Contact, 2x12-48VDC
Switching Property
1M Buffer Size
2048 bytes Frame
2K MAC Address
1.6Gbps Bandwidth
Environmental
-40 to +75℃ Operating Temp
IP40 Rating
Housing & mounting
Aluminium housing with DIN Rail or
wall mounting option

Unmanaged Ethernet Switches

HIGH STANDARD INDUSTRIAL GRADE

HARSH ENVIRONMENTS
-40 TO +75℃ OPERATING TEMPERATURE
±6KV POWER SUPPLY SURGE PROTECTION
±8KV CONTACT DISCHARGE
IP40 RATING

ADAPTABLE

DC9-56V WIDE VOLTAGE RANGE
OPTIONAL POE/POE+/POE++

PLUG N PLAY

NO ADDITIONAL CONFIGURATION
NEEDED DIN RAIL OR WALL MOUNTING

FR-7N3102/P/BT

RJ45
2x10/100/1000M
SFP
1x1000M
Bandwidth
14Gbps
Power Input
2xDC9-56V

PoE Standard
FR-7N3102P: 802.3 af/at
FR-7N3102BT: 802.3 af/at/bt

FR-7N3104/P/BT

RJ45
4x10/100/1000M
SFP
1x1000M
Bandwidth
14Gbps
Power Input
2xDC9-56V

PoE Standard
FR-7N3102P: 802.3 af/at
FR-7N3102BT: 802.3 af/at/bt

FR-7N3005/P/BT

RJ45
5x10/100/1000M
Bandwidth
14Gbps
Power Input
2xDC9-56V

PoE Standard
FR-7N3005P: 802.3 af/at
FR-7N3005BT: 802.3 af/at/bt

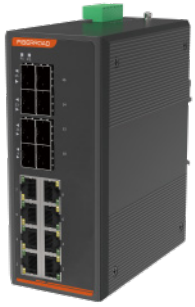
Unmanaged Ethernet Switches

FR-7N3008/P/BT

RJ45
8x10/100/1000M
Switching Property
2M Buffer Size
1500 Bytes Frame
4K MAC Address
20Gbps Bandwidth
Power Input
2xDC9-56V
PoE Standard
FR-7N3008P: Port 1 to 8 802.3 af/at
FR-7N3008BT: Port 1 to 8 802.3 af/at/bt

FR-7N3208/P/P-24V/BT

RJ45
8x10/100/1000M
SFP
2x1000M Slots
Switching Property
2M Buffer Size
1500 Bytes Frame
4K MAC Address
20Gbps Bandwidth
Power Input
2xDC9-56V
PoE Standard
FR-7N3208P: Port 1 to 8 802.3 af/at
FR-7N3208P-24V: Port 1 to 8 802.3 af/at
FR-7N3208BT: Port 1 to 8 802.3 af/at/bt



FR-7N3808

Port
8x10/100/1000M RJ45
8x1000M SFP Slots
Power Supply
6-pin Phoenix Contact, 2x9-56VDC
Switching Property
4M Buffer Size
1500 bytes Frame
8K MAC Address
52Gbps Bandwidth
Environmental
-40 to +75℃ Operating Temp
IP40 Rating
Housing & mounting
Aluminium housing with DIN Rail or
wall mounting option

Unmanaged Ethernet Switches

FR-7N3016

Port
16x10/100/1000M RJ45
Power Supply
6-pin Phoenix Contact, 2x9-56VDC
Switching Property
4M Buffer Size
1500 bytes Frame
8K MAC Address
52Gbps Bandwidth
Environmental
-40 to +75℃ Operating Temp
IP40 Rating
Housing & mounting
Aluminium housing with DIN Rail or wall mounting option

FR-7N3216L

Port
16x10/100/1000M RJ45
2x1000M SFP Slots
Power Supply
6-pin Phoenix Contact, 2x9-56VDC
Switching Property
4M Buffer Size
1500 bytes Frame
8K MAC Address
52Gbps Bandwidth
Environmental
-40 to +75℃ Operating Temp
IP40 Rating
Housing & mounting
Aluminium housing with DIN Rail or wall mounting option

FR-7N3224/P/BT

Port
24x10/100/1000M RJ45
2x1000M SFP Slots
Power Supply
6-pin Phoenix Contact, 2x9-56VDC
Switching Property
4M Buffer Size
1500 Bytes Frame
8K MAC Address
52Gbps Bandwidth
Environmental
-40 to +75℃ Operating Temp
IP40 Rating
PoE Standard
FR-7N3224P: Port 1 to 24 802.3 af/at
FR-7N3224BT: Port 1 to 24 802.3 af/at/bt

FR-IPM2003M-1GF1PG-DP-

Industrial Gigabit Media Converter (Powered Device) and PoE (802.3at) Splitter with Wide Range DC Power Output

Port
2x10/100/1000M RJ45
1x100/1000M SFP Slots
Power Input
PD Port/DC Terminal:
PoE Input (TP2), IEEE802.3 at/bt
or DC36-48V (V+/V-)
DC48-57V or DC Input: DC36-48V(Option)
Environmental
-30 to +75℃ Operating Temp
IP40 Rating
PoE Standard
TP1 IEEE802.3 af/at

FR-IPM2003M-1GF1GE-P-30

Industrial Gigabit Media Converter (Powered Device) and PoE (802.3at) Splitter with Wide Range DC Power Output

Port
2x10/100/1000M RJ45
1x100/1000M SFP Slots
Power Input
PD Port/DC Terminal:
PoE Input (TP2), IEEE802.3 at/bt
or DC36-48V (V+/V-)
DC48-57V or DC Input: DC36-48V(Option)
DC Power Output
1 removable 2-contact terminal blocks
5-24VDC (Shared 60W power)
Environmental
-30 to +75℃ Operating Temp
IP40 Rating

FR-IPM2002I-1PG-D-30

Industrial Gigabit PoE (802.3at) Injector
with Wide Range DC Power Input

Port
2x10/100/1000M RJ45
Input Port
1 x 10/100/1000BASE-T RJ45, Data In
Output Port
1 x 10/100/1000BASE-T RJ45, PoE (Data + Power) Out
Input power terminal block:
1 removable 2-Pin terminal block
Power Input
12-48V DC
Environmental
-30 to +75℃ Operating Temp
IP40 Rating
PoE Standard
IEEE802.3 af/at

FR-IPM2002I-1PG-D-90

Industrial Gigabit PoE (802.3at/bt) Injector
with Wide Range DC Power Input

Port
2x10/100/1000M RJ45
Input Port
1 x 10/100/1000BASE-T RJ45, Data In
Output Port
1 x 10/100/1000BASE-T RJ45, PoE (Data + Power) Out
Input power terminal block:
1 removable 2-Pin terminal block
Power Input
12-48V DC
Environmental
-40 to +80℃ Operating Temp
IP40 Rating
PoE Standard
IEEE802.3 af/at/bt

FR-IPM2002T-P-30

Industrial Gigabit PoE (802.3at) Splitter with 24VDC Power Output

Port
2x10/100/1000M RJ45
Input Port
1 x 10/100/1000BASE-T RJ45, PoE (Data + Power) In
Output Port
1 x 10/100/1000BASE-T RJ45, Data out
Input power terminal block:
1 removable 2-Pin terminal block
Power Input: 48-56V DC
Power Output: 24V DC
Environmental
-30 to +70℃ Operating Temp
IP40 Rating
PoE Standard
IEEE802.3 af/at

FR-IPS2008I-4PG-A-90

Gigabit 4-port PoE (802.3at/bt) Injector with AC Power Input

Port
4x10/100/1000BASE-T RJ45 (Data In)
4x10/100/1000BASE-T RJ45(PoE Out)
Power Input
AC 100-240V, 50-60Hz,
Internal AC-to-DC adapter
Power Connect
C14 Terminal
DC Power Output
1 removable 2-contact terminal blocks
5-24VDC (Shared 60W power)
Environmental
0 to +50℃ Operating Temp
PoE Standard
Out 1-4, IEEE802.3 af/at

FR-IPM2003MT-1GF1GE-P-60

Industrial Gigabit Media Converter (Powered Device) and PoE (802.3at/bt) Splitter with USB Power Output

Port
2x10/100/1000M RJ45
1x100/1000M SFP Slot
Input Port
PD Port/DC Terminal:
PoE Input(TP2), IEEE802.3 at/bt
48-57V DC
Power Output
USB-C, 5-20V, 3A Max (60W)
Environmental
-30 to +70℃ Operating Temp
IP40 Rating
PoE Standard
IEEE802.3 at/bt

Industrial Fast Ethernet SFP Modules

ISFP-1-AA-850	155M / Multimode / 2-fiber / LC / 850nm / 550m
ISFP-1-AA	155M / Multimode / 2-fiber / LC / 1310nm / 2km
ISFP-1-BB	155M / Single-mode / 2-fiber / LC / 1310nm / 10km
ISFP-1-BB-L	155M / Single-mode / 2-fiber / LC / 1310nm / 40km
ISFP-1-CD	155M / Multimode / 1-fiber / LC / TX: 1310 / RX: 1550nm / 2km
ISFP-1-DC	155M / Multimode / 1-fiber / LC / TX: 1550 / RX: 1310nm / 2km
ISFP-1-EF	155M / Single-mode / 1-fiber / LC / TX: 1310 / RX: 1550nm / 20km
ISFP-1-FE	155M / Single-mode / 1-fiber / LC / TX: 1550 / RX: 1310nm / 20km
ISFP-1-EF-L	155M / Single-mode / 1-fiber / LC / TX: 1310 / RX: 1550nm / 40km
ISFP-1-FE-L	155M / Single-mode / 1-fiber / LC / TX: 1550 / RX: 1310nm / 40km

Industrial Gigabit SFP Modules

ISFP-3-AA-850	1.25G / Multimode / 2-fiber / LC / 850nm / 550m
ISFP-3-AA	1.25G / Multimode / 2-fiber / LC / 1310nm / 2km
ISFP-3-BB	1.25G / Single-mode / 2-fiber / LC / 1310nm / 20km
ISFP-3-BB-L	1.25G / Single-mode / 2-fiber / LC / 1310nm / 40km
ISFP-3-CD	1.25G / Multimode / 1-fiber / LC / TX: 1310 / RX: 1550nm / 3km
ISFP-3-DC	1.25G / Multimode / 1-fiber / LC / TX: 1550 / RX: 1310nm / 3km
ISFP-3-EF	1.25G / Single-mode / 1-fiber / LC / TX: 1310 / RX: 1550nm / 20km
ISFP-3-FE	1.25G / Single-mode / 1-fiber / LC / TX: 1550 / RX: 1310nm / 20km
ISFP-3-EF-L	1.25G / Single-mode / 1-fiber / LC / TX: 1310 / RX: 1550nm / 40km
ISFP-3-FE-L	1.25G / Single-mode / 1-fiber / LC / TX: 1550 / RX: 1310nm / 40km

Industrial 10G SFP Modules

ISFP-4-AA-850	10G / Multimode / 2-fiber / LC / 850nm / 300m
ISFP-4-AA	10G / Multimode / 2-fiber / LC / 1310nm / 2km
ISFP-4-BB	10G / Single-mode / 2-fiber / LC / 1310nm / 10km
ISFP-4-BB-L	10G / Single-mode / 2-fiber / LC / 1310nm / 40km
ISFP-4-EF	10G / Single-mode / 1-fiber / LC / TX: 1330nm / RX: 1270nm / 20km
ISFP-4-FE	10G / Single-mode / 1-fiber / LC / TX: 1270nm / RX: 1330nm / 20km
ISFP-4-EF-L	10G / Single-mode / 1-fiber / LC / TX: 1330nm / RX: 1270nm / 40km
ISFP-4-FE-L	10G / Single-mode / 1-fiber / LC / TX: 1270nm / RX: 1330nm / 40km
ISFP-4-AA-850	10G / Multimode / 2-fiber / LC / 850nm / 300m
ISFP-4-AA	10G / Multimode / 2-fiber / LC / 1310nm / 2km

Commercial Fast Ethernet SFP Modules

CSFP-1-AA-850	155M / Multimode / 2-fiber / LC / 850nm / 550m
CSFP-1-AA	155M / Multimode / 2-fiber / LC / 1310nm / 2km
CSFP-1-BB	155M / Single-mode / 2-fiber / LC / 1310nm / 10km
CSFP-1-BB-L	155M / Single-mode / 2-fiber / LC / 1310nm / 40km
CSFP-1-CD	155M / Multimode / 1-fiber / LC / TX: 1310nm / RX: 1550nm / 2km
CSFP-1-DC	155M / Multimode / 1-fiber / LC / TX: 1550nm / RX: 1310nm / 2km
CSFP-1-EF	155M / Single-mode / 1-fiber / LC / TX: 1310nm / RX: 1550nm / 20km
CSFP-1-FE	155M / Single-mode / 1-fiber / LC / TX: 1550nm / RX: 1310nm / 20km
CSFP-1-EF-L	155M / Single-mode / 1-fiber / LC / TX: 1310nm / RX: 1550nm / 40km
CSFP-1-FE-L	155M / Single-mode / 1-fiber / LC / TX: 1550nm / RX: 1310nm / 40km

Commercial Gigabit SFP Modules

CSFP-3-AA-850	1.25G / Multimode / 2-fiber / LC / 850nm / 550m
CSFP-3-AA	1.25G / Multimode / 2-fiber / LC / 1310nm / 2km
CSFP-3-BB	1.25G / Single-mode / 2-fiber / LC / 1310nm / 20km
CSFP-3-BB-L	1.25G / Single-mode / 2-fiber / LC / 1310nm / 40km
CSFP-3-CD	1.25G / Multimode / 1-fiber / LC / TX: 1310nm / RX: 1550nm / 3km
CSFP-3-DC	1.25G / Multimode / 1-fiber / LC / TX: 1550nm / RX: 1310nm / 3km
CSFP-3-EF	1.25G / Single-mode / 1-fiber / LC / TX: 1310nm / RX: 1550nm / 20km
CSFP-3-FE	1.25G / Single-mode / 1-fiber / LC / TX: 1550nm / RX: 1310nm / 20km
CSFP-3-EF-L	1.25G / Single-mode / 1-fiber / LC / TX: 1310nm / RX: 1550nm / 40km
CSFP-3-FE-L	1.25G / Single-mode / 1-fiber / LC / TX: 1550nm / RX: 1310nm / 40km

Network Peripherals - SFP Modules

Commercial 10G SFP Modules	
CSFP-4-AA-850	10G / Multimode / 2-fiber / LC / 850nm / 300m
CSFP-4-AA	10G / Multimode / 2-fiber / LC / 1310nm / 2km
CSFP-4-BB	10G / Single-mode / 2-fiber / LC / 1310nm / 10km
CSFP-4-BB-L	10G / Single-mode / 2-fiber / LC / 1310nm / 20km
CSFP-4-EF	10G / Single-mode / 1-fiber / LC / TX: 1330nm / RX: 1270nm / 20km
CSFP-4-FE	10G / Single-mode / 1-fiber / LC / TX: 1270nm / RX: 1330nm / 20km
CSFP-4-EF-L	10G / Single-mode / 1-fiber / LC / TX: 1330nm / RX: 1270nm / 40km
CSFP-4-FE-L	10G / Single-mode / 1-fiber / LC / TX: 1270nm / RX: 1330nm / 40km
CSFP-4-AA-850	10G / Multimode / 2-fiber / LC / 850nm / 300m
CSFP-4-AA	10G / Multimode / 2-fiber / LC / 1310nm / 2km

Network Peripherals - DIN-Rail Power Supply

	75W	120W	240W	480W
AC Input Voltage Range	90-264VAC; 127-370VDC			
AC Inrush Current (max.)	Cold start, 35A at 230VAC			
DC Adjustment Range	12V: 12-14V, 24V: 24-28V, 48V:48-55V			
Operating Temperature	-20 - +70℃			
Safety Standard	UL508, TUV BS EN/EN62368-1, EAC TP TC, BSMI CNS14336-1			
EMC Standard	BS EN/EN55032 class B, EN61000-3-2,3, EN61000-4-2,3,4,5,6,8,11, EN61000-6-2 (EN50082-2), EN61204-3; EAC TP TC 020			
Dimension(WxHxD)(mm)	32x125.2x102	40x125.2x113.5	63x125.2x113.5	85.5x125.2x128.5

GLOBAL DISTRIBUTOR RECRUITING

Looking Forward to Our Partnership

Through our years of experience, we have focused on creating a recipe for promptly addressing the evolving demands of the market. Our philosophy does not involve sacrificing efficiency, dependability, and user-friendliness in our devices - these aspects are ingrained in our products as a reflection of our vision and principles.

Currently, we have distribution points in various countries worldwide, including the United Kingdom, France, Spain, Italy, Malaysia, Indonesia, Uzbekistan, Egypt, Saudi Arabia and more.

We are constantly expanding and aspire to compete in the international market.

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