

Features

- 8 10/100/1000 Base T Ports
- 2 100/1000Base X SFP ports
- L2 management and security features
- Operating wide temperature -40°C ~ 75°C
- Dual power input
- Aluminum housing IP40
- Din Rail mounting

Description

Features and Benefits

- Backplane bandwidth up to 56Gbps
- Wide and diverse power supply scope and types
- Use stainless aluminum alloy shell and hexagon socket screws
- Support network management
- Wire-speed forwarding and automatic turnover of all ports can support long-distance transmission
- Support configuration file upload and download
- Lightning protection grade: power supply ±4KV, network interface ±4KV
- IP40 protection grade
- Compact and easy to install, plug and play without configuration
- Fanless, wide temperature
- MTBF ≥ 300,000h

Specifications

Technical Specifications-I

- IEEE 802.3 CSMA/CD Method and Physical Layer Specifications
- IEEE 802.1p Priority Queuing
- IEEE 802.1q VLAN Tagging
- IEEE 802.1d Spanning Tree Algorithm
- IEEE 802.1w Rapid Spanning Tree
- IEEE 802.1s Multiple Spanning Tree
- IEEE 802.1x Authentication
- IEEE 802.3ac VLAN Tagging
- IEEE 802.3ad Link Aggregation
- IEEE 802.3x Flow Control
- IEEE 802.3 Ethernet
- IEEE 802.3u Fast Ethernet
- IEEE 802.3z Gigabit Ethernet
- IEEE 802 Networks
- RFC 768 UDP
- RFC 791 IP
- RFC792 ICMP
- RFC 793 TCP
- RFC 826 ARP
- RFC 854 Telnet Client & Server
- RFC 862 Echo Protocol
- RFC 863 Discard Protocol
- RFC 904 Exterior Gateway Protocol Formal Specification
- RFC 1027 Using ARP to Implement Transparent Subnet Gateways
- RFC 1059 1119 NTPv1/v2
- RFC 1112 IGMP IP
- RFC 1866 HTML

Technical Specifications-II

- RFC 1166 Internet Numbers
- RFC 1191 Path MTU Discovery
- RFC 1542 Bootstrap Extensions & DHCP
- RFC 1851 The ESP Triple DES Transform ESP
- RFC 1994 PPP Challenge Handshake Authentication Protocol (CHAP)
- RFC 2068 HTTP
- RFC 213 DHCP Server
- RFC 2138 RADIUS
- RFC 2139 RADIUS Accounting
- RFC 2236 IGMPv2
- RFC 2474 DiffServ Precedence
- RFC 2475 DiffServ Core and Edge Router Functions
- RFC 2597 DiffServ Assured Forwarding
- RFC 2598 DiffServ Expedited Forwarding
- RFC 2644 Directed Broadcasts
- RFC 2865 Remote Authentication Dial User Service (RADIUS)
- RFC 3222 Forwarding Information Base (FIB)
- GMRP GARP
- GVRP GARP
- SSH2 Secure Shell 2
- IGMPv3
- IGMP Snooping

■ Specifications

Switch Properties

Backplane Bandwidth	20Gbps
Switch Architecture	Store-and-Forward
MAC Table Size	8K
Packet Buffer Size	4.1Mbit
Exchange Rate	148,800 pps/100M ports ; 1,488,000 pps/1000M ports

Power

Connection	1 removable 5-PIN terminal
Input Voltage	9.6 ~ 60VDC & 18 ~ 30VAC, Redundant dual power inputs
Overload Current Protection	Supported
Reverse Polarity Protection	Supported

Mechanical Characteristics

Vibration	IEC 60068-2-6
Shock	IEC 60068-2-27
Freefall	IEC 60068-2-31
Circuit Board	Approved by IPC

Software Functions

Management Mode	Web, Console, Telnet, SSH 2.0, Syslog, NTP/SNTP, STD-62 SNMPv3, SNMPv1, SNMPv2, FTP/TFTP
Diagnosis Mode	Indicator light, journal file, port mirroring, TRAP
Redundancy	RSTP, STP, MSTP, port trunking
Time Synchronization	NTP
Others	4K VLANS, IPv4/IPv6 Multicast, storm control, support Jumbo Frame

Environment

Storage Temperature	-40°C ~ +85°C
Operating Temperature	-40°C ~ +75°C
Ambient Relative Humidity	5% ~ 95% (non-condensing)

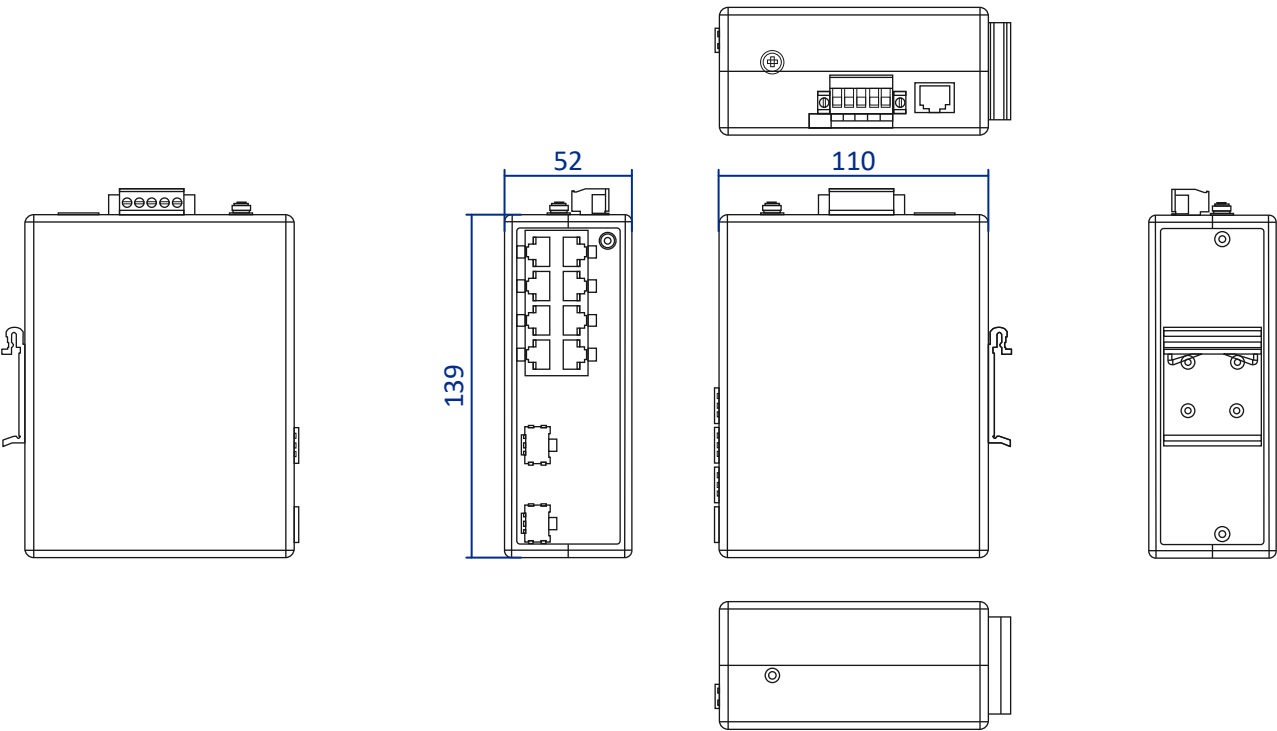
Electromagnetic Characteristics

EMI	FCC 47 CFR Part 15 Class A EN55032 Class AEN55035 Class A
EMC	IEC(EN)61000-4-2, Class 4 IEC(EN)61000-4-3, Class 3 IEC(EN)61000-4-4, Class 4 IEC(EN)61000-4-5, Class 4 IEC(EN)61000-4-6, Class 3 IEC(EN)61000-4-8, Class 5

Physical

Installation method	Din Rail
Shell	Aluminum alloy shell
IP Rating	IP40
Dimensions(W x H x D) (mm)	52 × 139 × 110
Weight	<0.75kg

■ Mechanical Drawings (Unit = mm)



■ Ordering Codes

Model Number	Description
XTR-D2010G-2F-T-X6M	2x100/1000BaseX SFP ports , 8x10/100/1000BaseT ports, wide temp, DC dual power, IP40 housing, Layer 2 management

XTR-D2010G-2F-T-X6M-15-04-2024