FRM220-MSW202

2x 10/100/1000Base-T + 2x100/1000Base-X L2+ Gigabit Carrier Ethernet Switch

FRM220-MSW202 is a carrier class Ethernet Demarcation Device (EDD) with 2 x 10/100/1000Base-T Ethernet ports and 2 x 100/1000Base-X dual rate SFP fiber ports which enables EPL (Ethernet Private Line) & EVPL (Ethernet Virtual Private Line) services with advanced carrier Ethernet features per the Metro Ethernet Forum (MEF 9 and 14). By supporting link and service Ethernet OAM schemes, the FRM220-MSW202 also provides extensive fault detection and diagnostic capabilities to ensure that actual network use complies with pre-agreed service level agreements (SLAs).
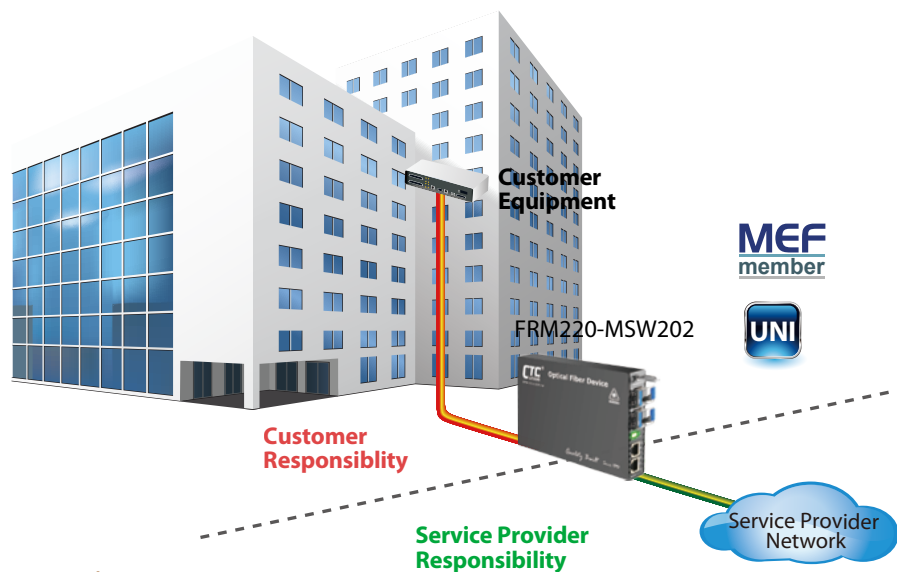
Features

- Complies with MEF CE1.0
- Supports 8K MAC
- Spanning Tree 802.1D, 802.1s, 802.1w
- Supports 802.1Q / 256 active VLANs
- Double VLAN Tagging (C-tag/S-tag) (IEEE 802.1ad) support for ISP application
- Various QoS capability (MAC/port/802.1p/Diffserv)
- Port-based rate limiting
- DHCP Snooping

- IGMP Snooping
- IPv6 support
- IEEE 802.3x and IEEE 802.1x support
- Jumbo frame for up to 9.6K
- Extensive Ethernet OAM support
- IEEE 802.3ah, IEEE 802.1ag, ITU-T Y.1731
- SNMP v1/v2c/v3, Telnet, Web GUI
- IEEE 1588 V2 aware (Optional)

Specifications

Optical Interface	Dual-speed (100M and 1000M) 2 WAN ports SFP based
	Fiber optic: SFP based Fast Ethernet (100BaseFX, 100BaseLX10, 100BaseBX10) Gigabit Ethernet (1000Base-SX, 1000BaseLX10, 1000BaseBX10)
LAN Interface	2 LAN ports
	Copper based : 10/100/1000Base-T RJ-45
	Supports manual 10, 100,1000Base-T, Full, Half duplex, or n-way (Auto-Negotiation) each channel
Standard	IEEE 802.3 10Base-T, IEEE 802.3u 100Base-TX,100Base-FX, IEEE 802.3z 1000Base-X, IEEE802.3ab 1000Base-T
LEDs	Power, FX-1 Link, FX-2 Link,Test, UTP-1 Link, UTP-1 100/1000, UTP-2 Link, UTP-2 100/1000

Temperature	0 ~ 50℃ (Operating); -10 ~ 70℃ (Storage)
Humidity	20 - 80% non-condensing (Operating); 10-90% (Storage)
Power Consumption	< 12W
VLAN Feature	IEEE 802.1Q tagged VLAN, port based VLAN,
	MAC based VLAN, protocol based VLAN,
	private VLAN, IEEE 802.1ad Q-in-Q
Qos Feature	IEEE 802.1p 8 priority queues per port, Cos based on switch port; VLAN ID; TCP/UDP port.
	IEEE802.1p priority tag remarking, DSCP remarking, Port based ingress/egress rate limit
L2 switching Protection	STP, RSTP, MSTP, ITU-T G8031/G.8032
Trunking	IEEE 802.3ad LACP

Application

MEF
member

Customer Equipment

FRM220-MSW202

UNI

Customer Responsiblity

Service Provider Responsibility

Service Provider Network

Ordering Information

Model Name	Description
FRM220-MSW202	2x 10/100/1000Base-T + 2x 100/1000Base-X OAM Managed Switch

Note: To Support Console Interface managed, this card must be placed in CH01M chassis.