



## MSW-202 (Rev.14)

### 2-Port 10/100/1000Base-T + 2-Port 100/1000Base-X L2 OAM Managed Switch (EDD)

MSW-202 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 MSW-202 also provides extensive fault detection and diagnostic capabilities to ensure that actual network use complies with pre-agreed service level agreements (SLAs).

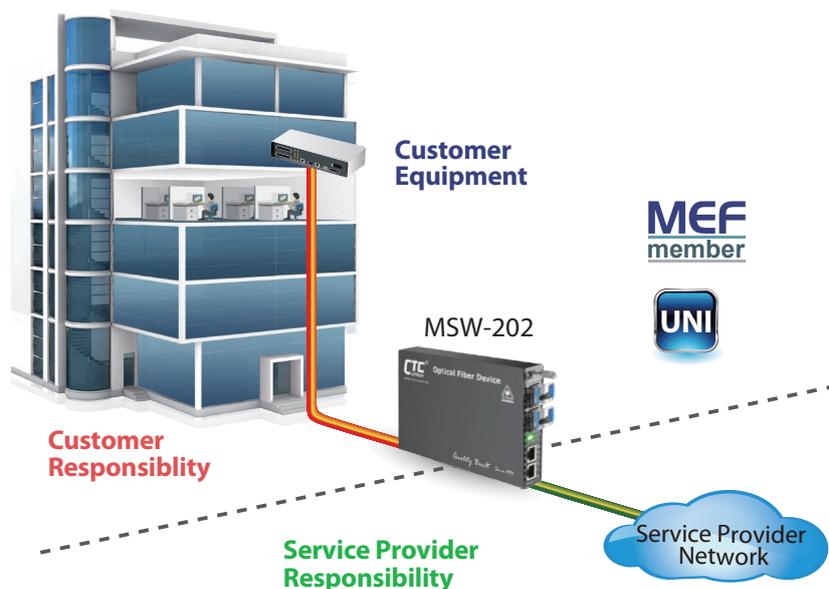
#### Features

- 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

#### Specifications

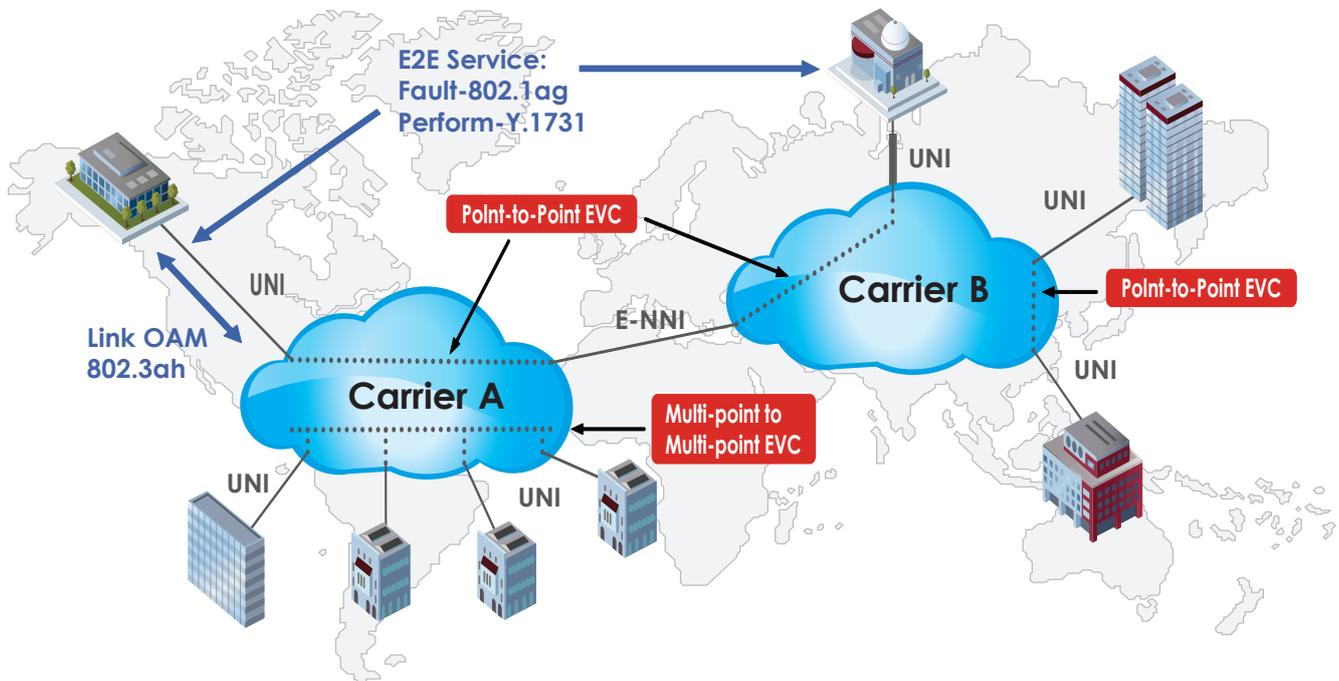
<b>Optical Interface</b>	<b>Dual-speed (100M and 1000M)</b> 2 WAN ports SFP based <b>Fiber optic: SFP based</b> Fast Ethernet (100BaseFX, 100BaseLX10, 100BaseBX10) Gigabit Ethernet (1000Base-SX, 1000BaseLX10, 1000BaseBX10)	<b>Standard</b>	IEEE 802.3 10Base-T, IEEE 802.3u 100Base-TX, 100Base-FX, IEEE 802.3z 1000Base-X, IEEE802.3ab 1000Base-T
<b>LAN Interface</b>	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	<b>LEDs</b>	Power, FX-1 Link, FX-2 Link,Test, UTP-1 Link, UTP-1 100/1000, UTP-2 Link, UTP-2 100/1000
		<b>Temperature</b>	0 ~ 50°C (Operating); -10 ~ 70°C (Storage)
		<b>Humidity</b>	20 - 80% non-condensing (Operating); 10-90% (Storage)
		<b>Power Consumption</b>	< 12W

#### Application



## Application

- Ethernet in the First Mile (EFM)
- Fiber to the Premise (FTTP), E-Line and E-LAN
- Enterprise markets



### First mile Ethernet fiber access

The EDD Series, at customer premises, allows operators to reach customers over fiber, while still selling a standard Ethernet copper connection. Being part of the operator's network allows the converter to act as a demarcation point between the operator and the customer.

### Fully Ethernet OAM enabled

Ethernet OAM features (IEEE 802.3ah/802.1ag/ITU-T.Y.1731) allow rapid detection and recovery of network faults and saves OPEX for operators as well as increasing customer satisfaction.

### MEF CE2.0 standards compliant solution

MEF 9/14/21 compliant product guarantees compatibility with other MEF certified equipment and reduces the risk and cost for Metro Ethernet network deployment by operators.

## Ordering Information

Model Name	Description
MSW-202	2-Port 10/100/1000Base-T + 2-Port 100/1000Base-X OAM Managed Switch