



MCM-W SERIES OVERVIEW

MCM-W series are complete and versatile solutions for the applications such as FTTx, CWDM, and carrier Ethernet. By the diversified speeds of 1,000Mbps and 10G, Xtramus provides standalone MCM-W products for different applications and can be applied according to your ideal network topology.

Xtramus' MCM-W series provide various interfaces such as UTP, SFP, SFP+, XFP and CX4. All these interfaces are developed to support the protocols such as 100Base-Tx, 100Base-Fx, 1000Base-T, 1000Base-X, 10GBase-T, 10GBase-LR, 10GBase-SR and 10GBase-CX4, thus making your network more complete and solid.

All MCM-W series are equipped with real-time LEDs which display the status of each port, thus allowing users to view network status easily.

MCM-W series provide an easy-to-access Management Webpage, allowing users to view system status, counters, and network statistics.

Also, MCM-W series support MIB Counter Report including counters such as Packet, Byte, Broadcast packet, Pause Frame, Length: 64 Bytes, Length: 65-127 Bytes, Length: 128-255 Bytes, Length: 256-511 Bytes, Length: 512-1023 Bytes, Length: 1024-1518 Bytes, Unicast packet, Multicast packet, CRC Error, IP Checksum Error, Under Size Packet, and Over Size Packet.

With various interfaces, MCM-W series provide different conversions between fibers and copper wires in 10G Ethernet.



FEATURES

- Diversified interfaces including SFP, SFP+, RJ45, XFP and CX4
- Supports 3R (Re-generation, Re-timing, Re-shaping) Performance for extending network cable coverage
- Supports Jumbo Frame
- Supports D/D (Digital Detection) functioned optical transceivers and overload protection
- MCM-W series support easy-to-use Management Webpage that allows users to view system status, counters, and network statistics
- Supports SNMP (Simple Network Management Protocol)
- Supports Link Loss Forwarding
- Supports DDMI (Digital Diagnostics Monitoring Interface), allowing users to view status such as Temperature, Supply Voltage, Tx Bias Current, Tx Power (dBm), and Rx Power (dBm).

KEY ADVANTAGES








- Fast connection with multi-function
- Provide reliable long-distance connection
- Port supported: SFP, SFP+, RJ45, XFP and CX4
- Small portable size case
- Plug and play without extra configuration

MAIN APPLICATIONS

- Media converter for network backbone
- Connection between fiber to copper or fiber to fiber 10G Ethernet equipment
- Providing protections against lightning and static electricity for Ethernet network and the network main system
- Providing additional network management options
- Can be applied in Telecommunication room, R&D laboratory, Data center, etc



MCM-W SERIES SPECIFICATION

| Model | | | | | | | | |
|---------------------------|---|---|---|---|--|---|---|---------------------------------------|
| Media Converter |  |  |  |  |  |  |  | |
| | MCM-7S81-W | MCM-8S22-W | MCM-8S23-W | MCM-8S82-W | MCM-8S62-W | MCM-8S33-W | MCM-8S83-W | |
| Interface Ports | | | | | | | | |
| Interface | Port A | RJ45 | SFP+ | SFP+ | RJ45 | CX4 | XFP | RJ45 |
| | Port B | SFP | SFP+ | XFP | SFP+ | SFP+ | XFP | XFP |
| Transfer Rate | 1000 Mbps | | 10G | 10G | 10G | 10G | 10G | 10G |
| Ethernet Mode | 1000Base-T 1000Base-X | | 10GBase-LR 10GBase-SR | 10GBase-LR 10GBase-SR | 10GBase-LR 10GBase-SR 10GBase-T | 10GBase-LR 10GBase-SR 10GBase-CX4 | 10GBase-LR 10GBase-SR | 10GBase-T 10GBase-LR 10GBase-SR |
| Jumbo Frame | 9KB | | | | | | | |
| System Control | | | | | | | | |
| System Control | ➤ Transceiver Power ON/OFF | | | | ➤ Link Connection Mode: Slave/Segment | | | |
| | ➤ Selectable Auto/Force Media Type | | | | ➤ Loopback * | | | |
| | ➤ System Upgrade (F/W, FPGA) | | | | | | | |
| Device Status Report | | | | | | | | |
| Status Report | ➤ Information | | | | ➤ Module Detection | | | |
| | ➤ Link Status | | | | ➤ Fiber Module Detection | | | |
| | ➤ Temperature Detection | | | | ➤ Transceiver Overloading | | | |
| MIB Counter Report | | | | | | | | |
| Counter Report | ➤ Packet | | | | ➤ Byte | | | |
| | ➤ Broadcast packet | | | | ➤ Pause Frame | | | |
| | ➤ Length: 64 Bytes | | | | ➤ Length: 65-127 Bytes | | | |
| | ➤ Length: 128-255 Bytes | | | | ➤ Length: 256-511 Bytes | | | |
| | ➤ Length: 512-1023 Bytes | | | | ➤ Length: 1024-1518 Bytes | | | |
| | ➤ Unicast packet | | | | ➤ Multicast packet | | | |
| | ➤ CRC Error | | | | ➤ IP Checksum Error * | | | |
| | ➤ Under size packet | | | | ➤ Over size packet | | | |
| | | | | | | | | |
| | | | | | | | | |
| Hardware | | | | | | | | |
| Power Source | External Power Adapter * 1 | | | | | | | |
| | ➤ Input: AC 100 V ~ 240 V, 50 Hz ~ 60 Hz | | | | ➤ Output: DC 12 V | | | |
| Power Consumption | 15W (without fiber module) | | | | | | | |
| Dimension | 147 mm x 89 mm x 28 mm | | | | | | | |
| Weight | Approx. 400g | | | | | | | |
| Temperature | ➤ Operating: 0°C ~ 40°C (32°F ~ 104°F) | | | | ➤ Storage: 0°C ~ 50°C (32°F ~ 122°F) | | | |
| Humidity (non-condensing) | ➤ Operating: 0% ~ 85% RH | | | | ➤ Storage: 0% ~ 85% RH | | | |

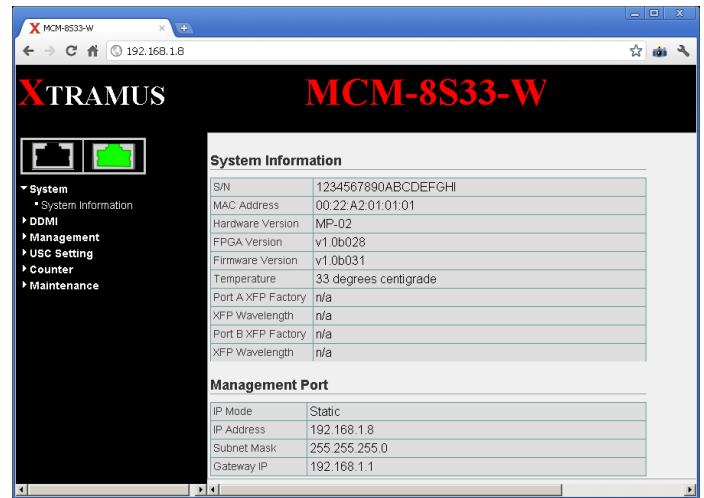
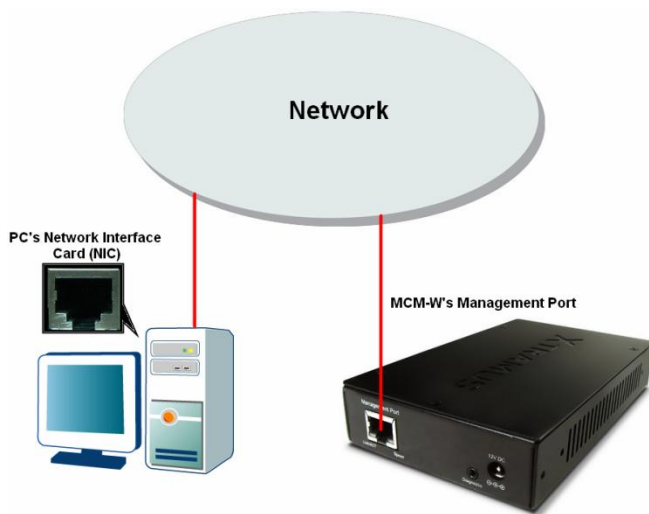
*MCM-7S81-W does not support Loopback functions.



MANAGEMENT WEBPAGE

MCM-W series are embedded with a Management Webpage, and can be accessed by connecting MCM-W's **Management Port** to the network which your PC is connected to, as shown in the figure down below.

MCM-W's Management Webpage allows users to configure test parameters, access counters, make system settings and upgrade system firmware.



RELATED PRODUCTS

MCS-2160 Chassis:

Chassis for Media Converter Platform



CONTACT INFORMATION

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