



MCM-8S22A 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.

Equipped 2 ports with 10G SFP+ interface, MCM-8S22A supports either common fiber optical transceiver or 10G /5G/2.5G/1G electrical port with the specific 4-rate SFP+ to RJ45 transceiver.



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.

Furthermore, MCM-8S22A has new mechanism design, it's more convenient to replace the cooling fan, so MCM-8S22A became easier to maintain.



FEATURES

- 4-rate(10G/5G/2.5G/1G) switchable with the 4-rate SFP+ to RJ45 transceiver
- 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
- Supports 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

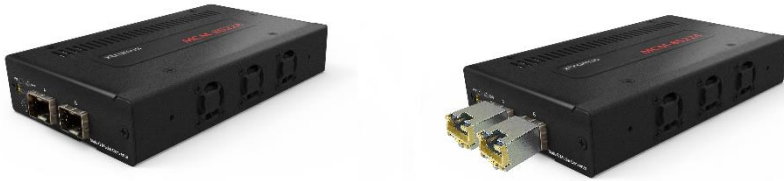
- Fast connection with multi-function
- Provide reliable long-distance connection
- Port supported: common SFP+ fiber optical transceiver or 10G Base-T electrical copper type
- Small portable size case
- Plug and play without extra configuration
- Replaceable cooling fan

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-8S22A SPECIFICATION

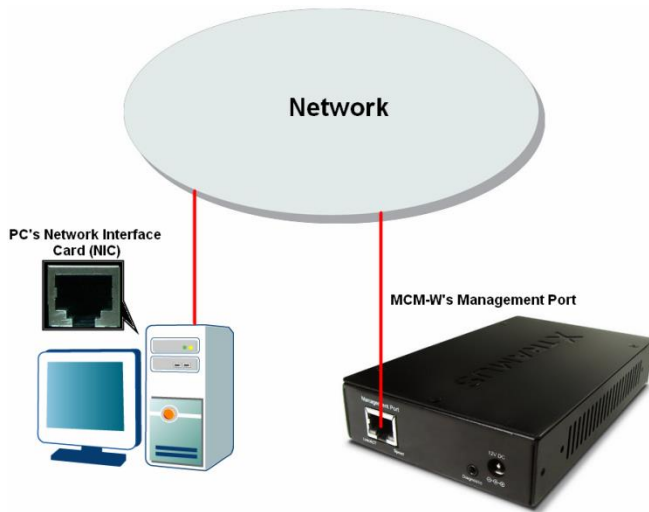
| Model | |
|---------------------------|--|
| MCM-8S22A |  |
| Interface Ports | |
| Port A & Port B | 10G SFP+ Port (10GBase-LR & 10GBase-SR) or 10G/5G/2.5G/1G RJ45 Port (with specific SFP+ to RJ45 transceiver) |
| Transfer Rate | 10G |
| Jumbo Frame | 9KB |
| System Control | |
| System Control | <ul style="list-style-type: none">➤ Transceiver Power ON/OFF➤ Selectable Auto/Force Media Type➤ System Upgrade (F/W, FPGA)➤ Link Connection Mode: Slave/Segment➤ Loopback |
| Device Status Report | |
| Status Report | <ul style="list-style-type: none">➤ Information➤ Link Status➤ Temperature Detection➤ Module Detection➤ Fiber Module Detection➤ Transceiver Overloading |
| MIB Counter Report * | |
| Counter Report | <ul style="list-style-type: none">➤ Packet➤ Broadcast packet➤ Length: 64 Bytes➤ Length: 128-255 Bytes➤ Length: 512-1023 Bytes➤ Unicast packet➤ CRC Error➤ Under size packet➤ Byte➤ Pause Frame➤ Length: 65-127 Bytes➤ Length: 256-511 Bytes➤ Length: 1024-1518 Bytes➤ Multicast packet➤ IP Checksum Error➤ 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 |



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.



The screenshot shows the web interface for the MCM-8S22A-W device. The browser address bar shows '192.168.1.8'. The page title is 'MCM-8S22A-W'. The main content area is titled 'Port Counter Statistics' and displays a table of statistics for Port A and Port B. The table includes columns for Media Type, Link, Speed, Utilization(%), Line Rate(M bps), Packet, Byte, Broadcast, Multicast, Unicast, Pause, Size:UnderSize, Size:64 Bytes, Size:65-127 Bytes, Size:128-255 Bytes, Size:256-511 Bytes, Size:512-1023 Bytes, Size:1024-1522 Bytes, Size:Oversize, and CRC Error. The data is presented in a table with alternating yellow and white rows.

| | Port A | Port B |
|----------------------|---------------|---------------|
| Media Type | RJ45 | RJ45 |
| Link | Up | Up |
| Speed | 10G | 10G |
| Utilization(%) | 0.00 | 0.00 |
| Line Rate(M bps) | 0.00 | 0.00 |
| Packet | 108,090,029 | 33,749,386 |
| Byte | 6,917,761,856 | 2,199,960,704 |
| Broadcast | 108,090,029 | 33,749,386 |
| Multicast | 0 | 0 |
| Unicast | 0 | 0 |
| Pause | 0 | 0 |
| Size:UnderSize | 0 | 0 |
| Size:64 Bytes | 108,090,029 | 33,749,386 |
| Size:65-127 Bytes | 0 | 0 |
| Size:128-255 Bytes | 0 | 0 |
| Size:256-511 Bytes | 0 | 0 |
| Size:512-1023 Bytes | 0 | 0 |
| Size:1024-1522 Bytes | 0 | 0 |
| Size:Oversize | 0 | 0 |
| CRC Error | 0 | 0 |

RELATED PRODUCTS

MCS-2160 Chassis:

Chassis for Media Converter Platform



CONTACT INFORMATION

Website: www.xtramus.com
E-mail: Sales@xtramus.com
 TS@xtramus.com
TEL: +886-2-8227-6611
FAX: +886-2-8227-6622