



MetroStar™ System Management Module

The MMM-04 module is a powerful tool for the management of the **MetroStar** platform with its modules and remotely connected CPEs/NTUs. It supports Web Management, SNMP, CLI via Console/Telnet/SSH and FTP/TFTP for easy field upgrades.

It automatically recognizes the type of module inserted in each **MetroStar** slot and enables the relevant menus, no H/W setup is needed while installing. The same concept is implemented with the remotely connected CPEs, with advanced auto-configuration and zero-touch features. In addition to common management functions, it is the system's vehicle to convey the rich suit of MA related functions (status and control) into a standard management (Web/SNMP/CLI) environment. In addition the module is equipped with 3 LEDs monitoring the status of the Power Supply plant of the MetroStar system.

All **MetroStar** modules are hot swappable and equipped with two self-clinching screws for easy and safe module insertion and removal. A special LED indicates that the module is well inserted in its slot and "alive" even before links are connected.

Key Features

- Advanced, user friendly interfaces
- CLI (console, Telnet, SSH), SNMP and HTTP/S
- Single slot, hot swappable
- Linux operating system
- Management of all MetroStar modules and remote CPE/NTU devices
- Provides MetroStar platform auto-configuration
- Remote S/W upgrade, with zero downtime

Specifications

<p>Embedded Linux operating System Web/CLI management</p>
<p>Standard Compliance SNMP v1/v2c/v3*, MIB II (RFC1213/RFC1215), Host Resources MIB (RFC2790), Telnet, SSH v1/v2, FTP/TFTP client, RADIUS, TACACS+*, Syslog and Local logging, NTPv4, IPv6*, DHCP*</p>
<p>RJ-45 Ports Shielded, 10/100BaseTx, 100m over UTP/STP Cat 5 cable, Network connection port Console port for CLI, Cisco compatible</p>
<p>Diagnostic LEDs System PS section: PS1, PS2, PS3 Management Section: Link/Act, Active, Ready</p>
<p>Physical MetroStar Single Slot, Hot-Swappable Dimensions: 24x128x144 mm (W x H x D)</p>
<p>Management of Remote Devices Via MA™ technology</p>
<p>System Information Power Supply status (1 to 3), Up time, System Contact, Location, Name, Modules Population, Chassis and Remote devices Temperature, Modules and Remote devices Firmware revision</p>

Supported Equipment

MCM100-0x, MCM110-0x, ACM110-1x, MSM100U, MCM1000T, MCM1000S, MSM2500/4000U, MCM100-xE1/T1, PCM110-xE1/T1, MCM100-RL, MCM1000X-RL, MCM1000X, WDM modules: MDX, FADM, MDDX, FADDM,
 All remote MA enabled CPE devices: H.CON/MA, LTA41/MA, LTA41-xE1, LTA41-xT1, F.CON1/MA, F.CON1F/MA, GSM1000/MA, GSM1010/MA, GSM1000X, ATARA100, ATARA1000

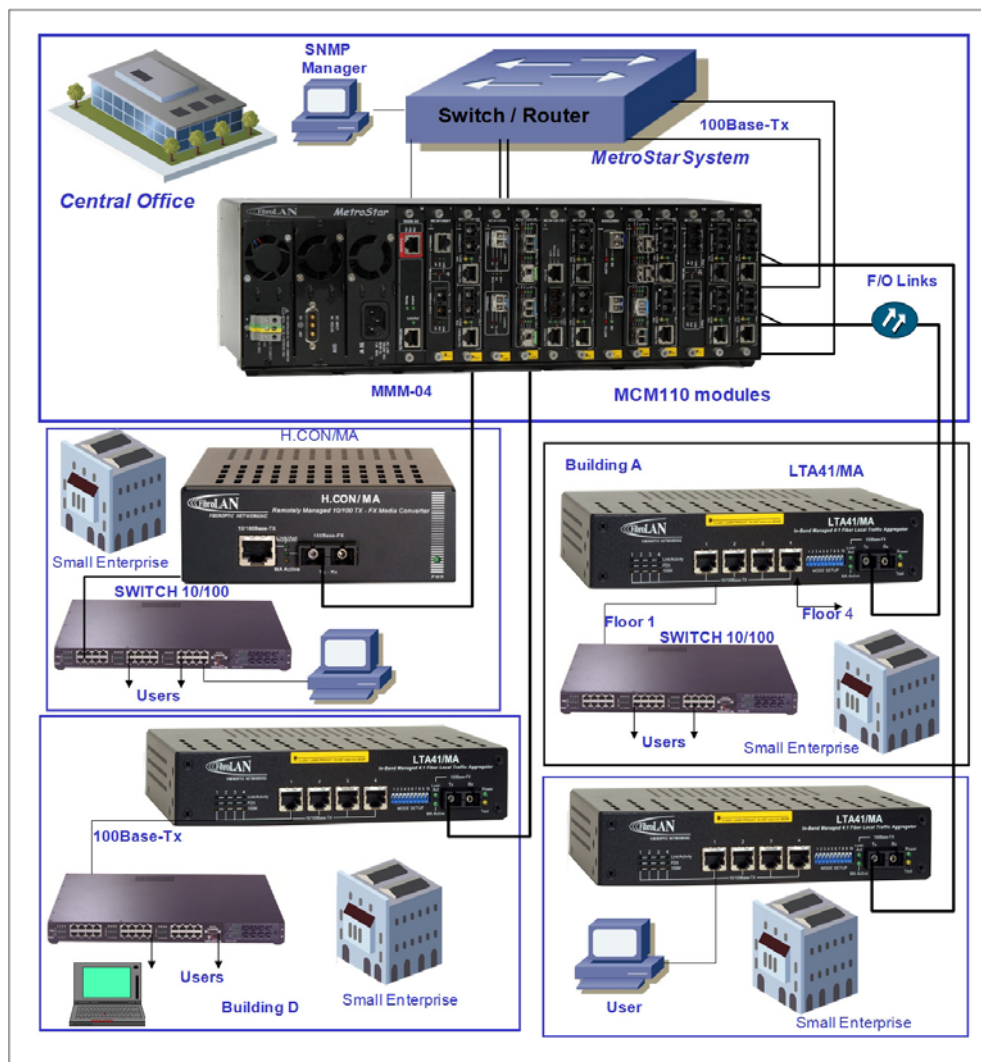
Alarms

PS insertion/removal/failure, Temperature exceeding threshold,
 Links UP/DOWN, Modules insertion/removal,
 Remote device connection/disconnection/power fail,
 Remote device port link up/down, signal detect/loss,
 LOS (Loss of signal) and AIS (Alarm Indicator Signal) conditions

*futures SW release

Specifications are subject to change w/o prior notice

Typical Topology



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