



# BRIDG-IT MM 8000

## Monitoring Module



### Features

- ▶ Enabling real-time remote control and monitoring of the UPL 8000
- ▶ Monitoring up to 20 individual UPL 8000 modules
- ▶ Enabling automatic feedback of abnormal operating condition alerts
- ▶ Simple installation (plug-in module, hot swappable)
- ▶ Easy software upgradeable (via CompactFlash memory card)
- ▶ CompactFlash memory card holder with activity LED and eject mechanism
- ▶ Remote monitoring achieved via RS-485 communication standard and SNMP
- ▶ Mountable in the 3 unit high UPL 8000 19" rack
- ▶ Front LED indicator
- ▶ Rear connections
- ▶ Fan-less operation

### Description

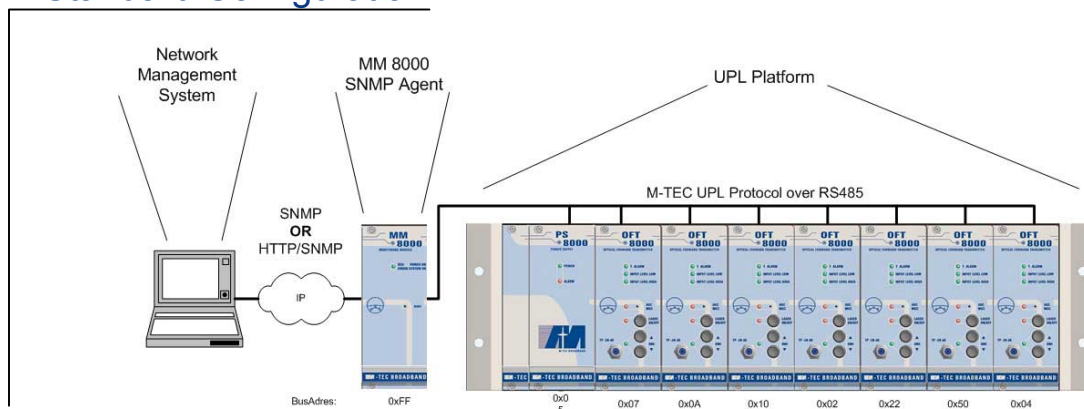
The M-TEC MM 8000 monitoring module is a 10TE wide plug-in module, which can be installed in the M-TEC UPL 8000 19" rack. It has been designed for simplicity of installation and operation.

The MM 8000 connects to the common data bus of the UPL 8000 platform. In case "n" UPL 8000 platforms are mounted in a cabinet, the common data busses of the platforms should be linked to each other using "n-1" data cables. This way one single MM 8000 monitoring module supports control of up to 20 individual UPL 8000 modules. This control (remote access) means:

- Get information from each individual UPL 8000 module and visualize this information in a GUI (Graphical User Interface).
- Change settings in each individual UPL 8000 module via the GUI.
- Receive alarm notifications when certain preset thresholds are exceeded.

The MM 8000 monitoring module acts as an extensible SNMP agent. The module interfaces between the M-TEC UPL protocol communicating with the UPL 8000 modules and SNMP V1 (Get, Set, Trap), or HTTP (Dynamic Web Server), or SNMP V1 and HTTP. This way communication with the monitoring system in the head-end, which is the SNMP manager, is achieved.

### Standard Configuration



## Order Information

Partnumber	Description
MTMM800-SN0000	Monitoring Module for UPL 8000, version SNMP agent only
MTMM800-WS0000	Monitoring Module for UPL 8000, version web server only
MTMM800-SW0000	Monitoring Module for UPL 8000, version SNMP agent + web server

## Front Panel User Interface

LED indicators	
POWER ON / SYSTEM OK	Power ON and System Not OK = Red / Power ON and System OK = Green
Controls	
RESET	Internal PC reset selection button

## Specifications

General	
PC type	PC/104
Operating System	Linux
CompactFlash memory card	64 MB
Serial ports	1x DB9 service port (9-pin SUB-D)
Serial port baud rate	38400
Network	10/100 Base-T Fast Ethernet
Ethernet status LED's	Active, Link
Real-Time clock	Standard
Protocols	TCP/IP, Telnet, SNMP, FTP, HTML
Alarm notification	SNMP Trap
SNMP Traps	Specific traps assigned per variable
Trap messaging	Captures description of alarm event (temp value, alarm string, etc.)
Trap formats	Standard and VARbind
Power Requirements+	
DC voltage	24 V
Max. DC current	500 mA
Max. power consumption	12 W
Powering via	9-pin SUB-D
Environmental	
Operating temperature	0 to +50°C (32 to 122°F)
Mechanical	
Size (height * width * depth)	128 mm * 51 mm * 370 mm
Weight	980 g