



BRIDG-IT UPL 8000

Universal Platform



Features

- ▶ 3 unit high 19" rack
- ▶ Modular design for custom configuration
- ▶ All available modules are plug-in modules
- ▶ All available modules are hot swappable
- ▶ 8 connector equipped slots for 7 10TE wide modules and a single (10TE wide) power supply module
- ▶ Support for redundant second power supply module
- ▶ Rear connections
- ▶ Robust and reliable mechanics

Description

The M-TEC UPL 8000 is a flexible universal rack mount chassis for the M-TEC 8000 series modules. The platform is a 3 unit high 19" rack (84TE wide). By default, a single power supply module PS 8000 needs to be ordered with the platform, but a second power supply module can optionally be supplied for redundancy purposes.

Next to the 10TE wide power supply, the UPL 8000 provides slots for up to seven 10TE wide plug-in modules. Each of these slots is equipped with a connector in the backplane of the frame. The power supply is typically plugged in at the left-hand side slot, while empty slots are covered with matching cover plates. Note that each individual slot can be used for 1 10TE wide module, but also for 2 passive 5TE modules (or 1 5TE module and 5TE cover plate).

The aluminum housing with vertical positioning of the modules enables optimal cooling and ventilation. The need for inter-module wiring is minimized by means of the 9-pin SUB-D power and data bus connectors incorporated on the backplane of the frame.

Because of its modular design, the UPL 8000 is compatible for the full range of 8000 series plug-in modules and solutions. Please refer to the corresponding datasheets for additional information concerning these products.

Order Configuration

Basic Equipment:

- ▶ UPL 8000 Universal Platform: 8 available slots - refer to page 2 for order information
- ▶ PS 8000 Power Supply: one required
refer to the PS 8000 datasheet for detailed information and order information
- ▶ UPL 8000 Cover Plates - refer to page 2 for order information

M-TEC Series 8000 Modules:

- ▶ DOFR 8000: Dual Optical Forward Receiver
refer to the DOFR 8000 datasheet for detailed information and order information
- ▶ OFT 8000: Optical Forward Transmitter
refer to the OFT 8000 datasheet for detailed information and order information
- ▶ MORT 8000: Multiple Optical Reverse Transmitter
refer to the MORT 8000 datasheet for detailed information and order information
- ▶ MUX 8000: Multiplexer (4-Channel or 8-Channel)
refer to the MUX 8000 datasheets for detailed information and order information
- ▶ DEMUX 8000: Demultiplexer (4-Channel or 8-Channel)
refer to the DEMUX 8000 datasheets for detailed information and order information
- ▶ MORR 8000: Multiple Optical Reverse Receiver
refer to the MORR 8000 datasheet for detailed information and order information
- ▶ OSP 8000: Optical Splitter (4-Channel or 8-Channel)
refer to the OSP 8000 datasheet for detailed information and order information
- ▶ MM 8000: Monitoring Module
refer to the MM 8000 datasheet for detailed information and order information

Order Information Universal Platform

MT UPL 80 - 000000

Order Information Power Distribution Cord

MT PDC 80 - 000000

Notes:

For multiple UPL 8000 platform applications, the platforms should be linked for power supply redundancy. Practical: For a combination of "n" UPL 8000 platforms, implement a total of "n+1" power supplies, and connect these power supplies to each other using "n-1" power distribution cords.

Order Information Cover Plates

MT	BLNK	8	-	YY	TE	ZZ
				Width (1)		Options
				04 = 4TE		00 = none
				05 = 5TE		
				10 = 10TE		

Notes:

(1) Empty slots are to be covered with 5TE or 10TE wide cover plates. The entire platform is 84TE wide. By default, a 4TE wide cover plate is already mounted.

Specifications

General	
Number of slots (2)	7 + 1
Internal connector type	8x 9-pin SUB-D
External connector type for monitoring	2x 9-pin SUB-D
External connector type for powering	2x COMBICON connector
Backplane current capacity	15 A
Environmental	
Operating temperature	-10 to +50°C (14 to 122°F)
Mechanical	
Size with side mounting brackets (3)	3RU * 19" * depth, or 134 mm * 483 mm * 370 mm
Size without side mounting brackets (3)	134 mm * 436 mm * 370 mm
Weight	2600 g
Installation precaution (4)	1U clearance above and below

Notes:

- (2) There are a total of 8 slots, with 1 typically reserved for the power supply module.
- (3) Size = height * width * depth
- (4) When installing the M-TEC UPL 8000 in a cabinet in combination with other platforms, a minimum clearance is required to allow proper heat dissipation.