

Datasheet

MSP 800

Chassis versions / power supply



General

The constantly increasing demand for bandwidth and the growing physical expansion of existing data networks is leading to a rapid spread of fiber optic cables at all application levels.

Modern network infrastructures require open, fiber optic-based systems that can be installed without problems and adapted flexibly to changing requirements. With its MSP800 platform, MICROSENS offers a wide range of function modules both for the LAN and WAN area as well as for the implementation of telecommunications and industrial interfaces. The core of the MSP800 consists of a slide-in frame for mounting in 19" cabinets. A central power supply unit supplies all slide-in modules with power via a backplane. A redundant power supply unit can be installed for special requirements regarding fail-safe operation. A large number of function modules ensure the passive and active implementation of all common interfaces. All plug-in units can be combined with each other in any order.

The product range includes

- Multimode / Single Mode Converter
- Wavelength converter,
- Converters and bridges for short and long haul applications
- Gigabit Extender
- G.703 converter

Depending on the requirements for bandwidth, optical parameters and connection technology, an optimal solution for current and future fields of application can be selected from a wide range of products. All function modules can be freely combined with each other and changed during operation (hot swap).

Technical Details

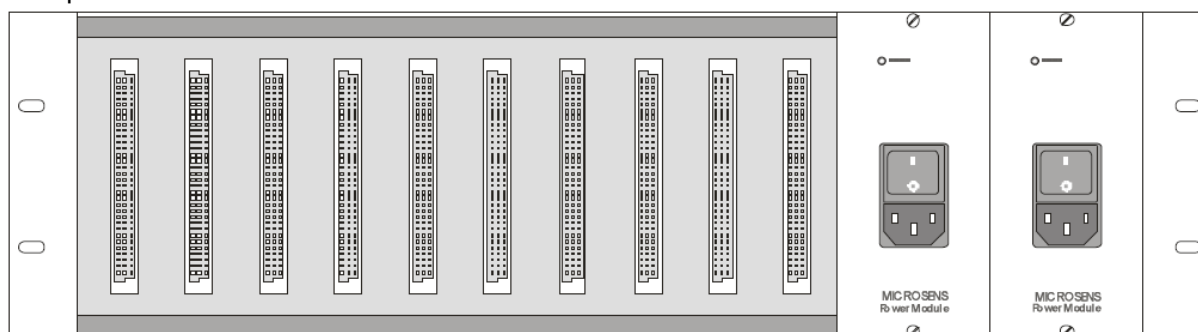
Type	Modular Chassissystem for 19" Mounting	
Dimensions 19"	<i>MS416001M</i>	3U 482 x 130 x 250 mm (W x H x D)
	<i>MS416006M / 007M</i>	1U 482 x 43 x 285 mm (W x H x D)
Power Supply	<i>MS416001M</i>	Plug-in power supply unit (2x for redundancy) optionally 230 VAC / 48 VDC / 24 VDC
	<i>MS416006M</i>	integrated 230 VAC-Power Supply
	<i>MS416007M</i>	2 integrated 230 VAC-Power supplies
Operating temp.	0..55 °C	
Storage temp.	-20..80 °C	
Humidity	5% upto 80 % non-condensing	

Combinations

The 19" slide-in housing (MS416001M) can accommodate up to 12 slide-in modules when connected to a central power supply unit (MS416004M). The power supply unit can also be designed redundantly (2x MS416004M), in this case there is still room for 10 slots. For redundancy, the power supply versions (230 VAC or 24 and 48 VDC) can be freely combined.

In addition, smaller versions are available to accommodate up to 3 slide-in modules (MS416006M). The power supply is permanently integrated here and is also optionally designed redundantly (MS416007M).

Furthermore, desktop housings are available to accommodate one slide-in module. Here the power supply is optionally provided by an integrated or external power supply unit. An optional wall bracket is available.



Example 1: MS416001M, equipped with two plug-in power supply units.

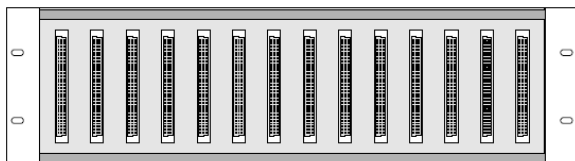


Example 2: MS416006M resp. MS416007M with integrated power supplies (1 bzw. 2).

Chassis Components

MS416001M

MSP800 3U-Chassis 19"



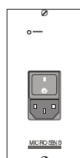
- Backplane for power supply and management
- Delivery without power supply
- incl. 1 fan module (rear side)
- for 12 slots with one power supply or 10 slots with two power supplies

Installation height: 3 U

Installation depth: 250 mm

MS416004M

Plug-in power supply unit 230 VAC for MS416001M



- Backplane connector for power supply and management
- Monitored by management
- Connection: IEC socket for 100 - 230 VAC 90 W

Installation height: 3 U

Installation depth: 12 U (occupies 2 slots!)

MS416005M

Plug-in power supply unit 48 VDC for MS416001M



- Backplane connector for power supply and management
- Monitored by management
- 48 VDC 90 W

Installation height: 3 U

Installation depth: 12 U (occupies 2 slots!)

MS416005M-24

Plug-in power supply unit 24 VDC for MS416001M



- Backplane connector for power supply and management
- Monitored by management
- 24 VDC 90 W

Installation height: 3 U

Installation depth: 12 U (occupies 2 slots!)

MS416100

Blank cover for MS416001M, MS416006M / MS416007M



- no connection to backplane necessary for power supply and management

Installation height: 3 U

Installation depth: 6 u (occupies 1 Slot)

MS416006M

MSP800 1U-Chassis 19"



- Backplane for power supply and management
- integrated fans (monitored by management)
- int. Power supply 1x 100..230 VAC/40 W
- Connection: 1x power socket
- for 3 slide-in modules (3 U horizontal, 6 U Vertical)

Installation height: 1 HE

Installation depth: 285 mm

Chassis Components

MS416007M

MSP800 1U-Chassis 19" (red.)



- Backplane for power supply and management
- integrated fan (monitored by management)
- int. Power supply 2x 100..230 VAC/40 W
- Connection: 2x IEC socket
- for 3 slide-in modules (3U horizontal, 6 U Vertical)

Installation height: 1U

Installation depth: 285 mm

MS417001

MSP800 Desktopchassis



- Backplane for power supply
- No active fan necessary
- incl. Extern. Power supply 100..230 VAC, 1,3A
- Connection: 1x socket
- for 1 slot
- opt. wall bracket (MS417001-WH)

Dimensions (WxHxD):

38 x 132 x 240 mm

MS417021

MSP800 Desktopchassis



- Backplane for power supply
- No active fan necessary
- Integr. Power Supply 230 VAC, 1,25A
- Connection: 1x Socket
- for 1 Slot
- opt. wall bracket (MS417001-WH)

Dimensions (WxHxD):

38 x 132 x 240 mm

Order Information

Description	Art.-No.
MSP800 Enterprise Access 3U Chassis 19" 14 Module slots, red. PS prepared, incl. backplane	MS416001M
MSP800 Enterprise Access 1U Chassis 19" Power Supply 230VAC (40W), 3 active Moduleslots	MS416006M
MSP800 Enterprise Access 1U Chassis 19" redundant power supply 230VAC (2x40W), 3 active module slots	MS416007M
MSP800 3U/4U-Chassis Power Supply 230VAC 90W, occupies 2 Moduleslots	MS416004M
MSP800 3U/4U-Chassis Power Supply 48VDC 90W, occupies 2 Moduleslots	MS416005M
MSP800 3U/4U-Chassis Power Supply 24VDC 90W, occupies 2 Moduleslots	MS416005M-24
MSP800 1 Moduleslot Blank cover	MS416100
MSP800 Desktop housing ext. power supply 230VAC for module mounting MS416xxx & MS415xxx, 1 active module slot	MS417001
MSP800 Desktop housing int. power supply 230VAC for module mounting MS416xxx & MS415xxx, 1 active module slot	MS417021

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