

RMF05

Ethernet 19" Rack Mount Chassis
Ideal for fiber to cable conversion
in a distribution closet.

Up to 16 modems

OM1001J

OM1002J

OM1005

OM10G



Description

- Holds any combination of 16 OM1001J, OM1002J, OM1005, or OM10G.
- Luxcom modems have an alarm relay which may be set to close on link failure. The Alarm contact on the front of chassis closes if a modem has an alarm condition. The red alarm indicator is on when the contact is closed.

Power Supply

- The rack is powered from a 24VDC desk top supply.
- It has four power supply inputs on the back; normally one supply is adequate.
- Two supplies of the same power rating are used if redundancy is desired.
- The four inputs are diode steered together, and share the loading.
- The 60 watt supplies come with a 2.1 mm plug.
- The 120 watt supplies come with a DIN plug.
- The power supply's negative input may connect to the AC power ground.
- A single 60 watt supply supports a full rack of OM1001J or OM1002J modems.
- For racks with OM1005 or OM10G modems, do one of the following:
 - Add up the power required by each modem and select a suitable supply.
 - Use the 120 watt supply which easily supplies the worst case power draw.
 - Use redundant 60 Watt supplies as these will share the load.

Modem	Power/modem
OM1001J	2.5 W
OM1002J	3 W
OM1005	4 W
OM10G	6.5 W

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Installation

- Connect one or two power supplies to power inputs on the back of the rack. The 120 watt power supply turns on the HP-1 or HP-2 high power indicator. The 60 watt power supply turns on the LP-1 or LP-2 low power indicator.
- Modems may be hot swapped.
- Modems are held in place with individual thumb screws on the back of the rack.
- There is no need to power the modem from its front panel power input.
- The Alarm contact may be connected to an external audible or visible indicator.
- The Alarm contact will be closed (alarmed) if any modem is set to *alarm on link loss* and its link is absent. OM1001J requires both an electrical and optical link.

Specifications¹

DC Input Chassis ²	22 – 26V, < 5A
Desk Top Supply	90 – 240V, 50 – 60Hz
Power consumption - empty rack	<1 Watt
Power consumption - full rack	<100 Watts
Alarm relay: Current continuous/peak	125/350 mA
Voltage AC or DC	60V peak
Operating temperature	-30°C to 50°C
Dimensions WxHxD	48x13x10 cm (3U/19" rack)
Warranty	5 Years

Notes:

¹ Specifications are subject to change without notice.

² Power supplies must be same type to ensure load sharing.

Ordering Information

The rack and power supply are separate order items. At least one supply is required.

Rack	RMF05
60 Watt power supply	LTIPS-24-2.5-U-1
120 Watt power supply	LTIPS-24-5-U-1