

sat-nms LFODU - Fiber Optical Universal Outdoor Cabinet

The **sat-nms** LFTX Fiber Optical Transmitter and **sat-nms** LFRX Fiber Optical Receiver form together a high performance optical link for analog multi-carrier RF transportation on fiber optical media. Both are Eurocard size modules normally sliding into the corresponding 19" 2RU rack-mount chassis and are located indoors either in an equipment shelter or master control room. If you are missing these locations for integration, our **sat-nms** LFODU Universal Outdoor Cabinet is exactly what you need. Three versions of the **sat-nms** LFODU Outdoor Cabinet are available:

- **sat-nms** LFODU-10: with 10 optical modules
- **sat-nms** LFODU-20: with 20 optical modules
- **sat-nms** LFODU-30: with 30 optical modules

Always 10 optical modules are combined in a so-called MiniFrame together with a matching MNC-Card and its baseplate, as it is also the case in the 19" chassis. All components are the same as in the rack-mount units and you can select the same options including the N:1 Redundancy.

SatService GmbH is always using high-quality cabinets from Rittal, which always include a temperature control unit to keep temperature above 0 degrees also in winter time. Depending on the size of the cabinet it is also possible to integrate other equipment and functionality. In the photographs you see an example including two other modules, the **sat-nms** IO-FEP to monitor & control for example the waveguide switches integrated in an antenna and a Cisco Ethernet Switch. Call us for your applications and our flexible design team will propose you a design corresponding to your requirements.

For the technical details please refer to our **sat-nms** LFTXRX data sheet, which is applicable for the RF and MNC performance.



Electrical and Mechanical Specification, Environmental Conditions	
Supply Voltage	90 to 230V AC 50 to 60Hz
Connector for the two Mains Voltage AC Inputs	Terminals
Redundant Power Supplies	Din-rail-mounted, easy to change
Temperature Range	-20 to + 50°C
Humidity	Up to 90% non-condensing
Outdoor Cabinet Mechanical Size sat-nms LFODU-10, -20	500x500x300 mm (WxHxD)
Outdoor Cabinet Mechanical Size sat-nms LFODU-30	600x760x350 mm (WxHxD)

Key Features

- Temperature-controlled Outdoor Cabinet
- To be installed directly at the Antenna
- 10MHz, L-Band and broadband (50...2150MHz) Modules
- Up to 10, 20 or 30 Optical Links
- Integrated LNB Power Supply
- Compact Design
- Flexible Mechanical Size
- Redundant Power Supplies
- Integrated Fan/ Heater
- Full Remote Control via SNMP or HTTP

Applications

- Satellite Ground Stations and Teleports
- Cable head end Stations

Contact Information

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