

Managed LNB Powering System



The final product may vary from the above image depending on the options selected.

Product:**DEV 8120**

Managed LNB Powering System

Features:

- 3 RU LNB Powering Chassis for up to 54 Channels
- LNB Powering Twin Modules, 50 or 75 Ohm
- LNB Current Monitoring
- Integrated RF-Monitoring System
- SNMP Support
- DEV Web Interface
- Redundant Power Supplies

Technical Data

DEV 8120 Managed LNB Powering System

Capacity

Rear Side 16 (with Option 85: 27) Slots for LNB Powering Twin Modules
(i.e. up to 32 (54) LNB Powering Channels)

LNB Power & Current Monitoring

LNB Power 15.5±0.5 V; max. 500 mA per Channel, short-circuit-proof
(If all 54 Channels are required to deliver LNB Power in parallel, the average Current per Channel must not exceed 320 mA to keep up Power Supply Redundancy.)

Impulse Current <2 A, 1 ms

Current Measurement 10...500 mA per channel

Adjustable Level Setting:

- Upper Alarm Level • max. 500 mA
- Lower Alarm Level • min. 10 mA

Alarm Indication Via LED and via Remote Interface

Remote Communication

Interfaces (Connectors)

- Ethernet (RJ-45)
- Serial Interface RS 232 (Sub-D-9 (f))

Remote Control & Surveillance (Interface)

- via Web Interface (Ethernet)
- via SNMP (Ethernet)

Redundant Power Supply

Supply Voltage 100...240 V AC supplied by two different Lines

Power Consumption <600 VA

General Specifications

Size 19" (483 mm) Width, 3 RU (133 mm) Height, ~470 mm Depth

Weight ~9 kg (empty Chassis)

Environmental Conditions ETS 300019 Part 1-3 Class 3.1

Option 2/50 LNB Powering Twin Module; 700...2300 MHz; 50 Ohm, SMA (f)

Option 2/50-75 LNB Powering Twin Module; 700...2300 MHz; 50 Ohm, SMA (f) - 75 Ohm, F (f)

Option 2/75 LNB Powering Twin Module; 700...2300 MHz; 75 Ohm, F (f)

RF Specifications

Frequency Range 700...2300 MHz

Channels per Module 2

Outputs per Channel 1 (DC blocked)

Impedance, Connectors 50 Ohm Ports: 50 Ohm, SMA (f)
75 Ohm Ports: 75 Ohm, precision F (f)

Damage Level +20 dBm

Return Loss Option 2/75,
Option 2/50-75: >14 dB, typical 16 dB
Option 2/50: >16 dB, typ. 18 dB

Insertion Loss <4.5 dB

Flatness ±1.0 dB (700...2300 MHz)
±0.7 dB (950...2150 MHz)
±0.2 dB (in any 36 MHz Interval)

Isolation between Output Ports >50 dB

General Specifications

Size 3 HP (15 mm) Width, 3 RU (133 mm) Height, 100 mm Depth

Weight ~0.2 kg

Environmental Conditions ETS 300019 Part 1-3 Class 3.1E

Technical Data (cont.)

Option 87 **Integrated RF-Monitoring System for up to 16 Slots**

Option 88 **Integrated RF-Monitoring System for up to 27 Slots**

With applied Option 87 or Option 88, the device provides a 50 Ohm, SMA (f) monitoring port at the front side of the chassis. The channel to be monitored is selected via an integrated multiplexer.

■ Option 88 can only be installed in combination with Option 85; otherwise, Option 87 can be applied.

Order Information

Product

DEV 8120 Managed LNB Powering System; 16 Slots

LNB Powering Twin Modules

The chassis can be equipped with up to 16 (with Option 85: up to 27) LNB Powering Twin Modules.

Please select the required number and type (a mix is possible) of modules via the following options:

Option 2/50 LNB Powering Twin Module; 700...2300 MHz; 50 Ohm, SMA (f)

Option 2/50-75 LNB Powering Twin Module; 700...2300 MHz; 50 Ohm, SMA (f) - 75 Ohm, F (f)

Option 2/75 LNB Powering Twin Module; 700...2300 MHz; 75 Ohm, F (f)

Other Options

Option 78 Additional Web License

Option 85 Chassis configured for 27 Slots

Option 87 Integrated RF-Monitoring System for up to 16 Slots

Option 88 Integrated RF-Monitoring System for up to 27 Slots

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Technical specifications are subject to change