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

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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: Option 2/50:	 >14 dB, typical 16 dB >16 dB, typ. 18 dB
Insertion Loss	<4.5 dB	
Flatness	±1.0 dB ±0.7 dB ±0.2 dB	(700…2300 MHz) (950…2150 MHz) (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