

# xDSL REMOTE POWER SUPPLY MODULE RPS8 ELCONNECT®

**SIMPLE**

Plug&Play installation

**FIELD-PROVEN**

High quality and dependability

**POWERFUL**

Range extension for xDSL systems



## THE PRODUCT

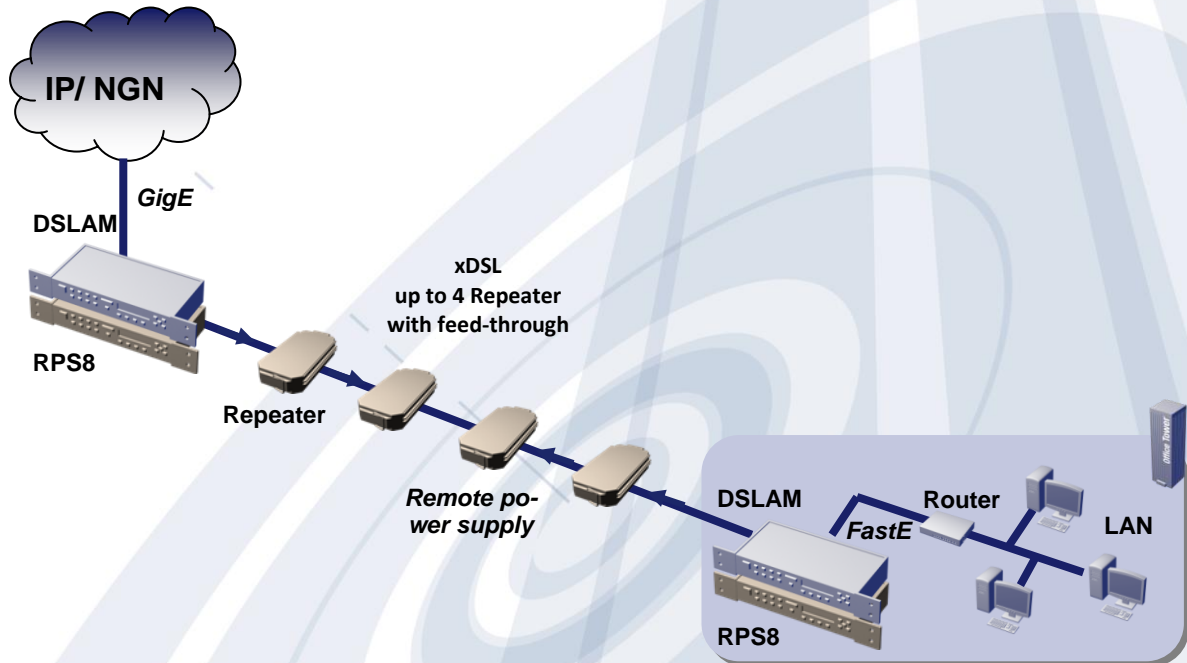
The RPS8 is a remote power supply module for those xDSL DSLAM's that come without own remote supply functionality to power xDSL transmission lines. So a range extension for numerous ELCON-made and client-specific xDSL systems (TDM, ATM and EFM) is possible.

The RPS8 is installed between the xDSL DSLAM and the distant device and can provide 112 V DC remote power supply for up to 8 independent xDSL lines (1-pair). This allows to power from the exchange side, among others, regenerative repeaters (xDSL EFM Repeater) or respective remote-fed xDSL NT's (e.g. NT2MSKU-E/-T 2P), so they don't need to be powered locally. The remote power supply voltage is being imposed on the xDSL line from the DSLAM, whereby the DSLAM is protected against voltage feedback. Each remote power supply module can be individually switched off and on, whereby operating and error conditions are signalled through LEDs on the front panel. Via the extra sum alarm interface it is possible to transmit information about faults and operating states to the DSLAM, for presentation in the system management.

The RPS8 is offered as 19" plug-in unit and can be installed both in a 19-inch and a standard ETSI system rack in coexistence with the DSLAM.

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## APPLICATION



## TECHNICAL DATA

### Interface FSP-OUT

- Nominal remote supply voltage ( $U_{nom}$ ): 112 V  $\pm$  3 V
- Internal overvoltage protection ( $U_{max}$ ):  $\leq$  120 V
- Nominal remote supply current ( $I_{nom}$ ): 4 mA ... 59 mA
- Remote supply current limitation ( $I_{max}$ ):  $<$  60 mA
- Idle run of the remote power supply interface:  $I < I_{nom}$
- Short circuit of the remote power supply interface:  
 $U < 90 \text{ V} \pm 5 \text{ V}$  and  $I = I_{max}$
- Unbalance of the remote power supply interface:  
 $R_{ABLEIT} \leq 16 \text{ k}\Omega$
- Connector type: RJ 45

### Interface FSP-IN

- From multiplexer: ITU-T G.991.2
- Connector type RJ 45

### Interface SUM ALARM

- Voltage range: 18 V DC ... 72 V DC
- Max. current on relais contact:  $<$  0.5 A

### Power supply

- Voltage range: 40.5 V DC ... 75 V DC
- Power consumption:  $<$  70 W

## Physical parameters

### Casing

- Dimensions (W  $\times$  D  $\times$  H): 445 mm  $\times$  235 mm  $\times$  45 mm
- Weight: approx. 3.4 kg
- Casing material: Metal

### Environmental conditions

- Air temperature:  $-5^\circ\text{C}$  ...  $+45^\circ\text{C}$ ;
- rel. air humidity: 93% /  $30^\circ\text{C}$ , no condensate water

### EMC & Safety

- EMC: ETSI TS 201 468, ITU-T K.20, ETS 300 386
- Safety: EN 60950

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## PURCHASE ORDER INFORMATION

Product designation	Order number
RPS8	900132