



RPX16

Remote Power Feeding Unit 16 lines



The RPX16 is a fully managed device! Several protocols can be used for configuration and monitoring. A Web-based GUI allows a user-friendly interface and SSH-CLI can be used for more automatic processes. Via SNMP the integration in other management systems can be done easily!

Introduction

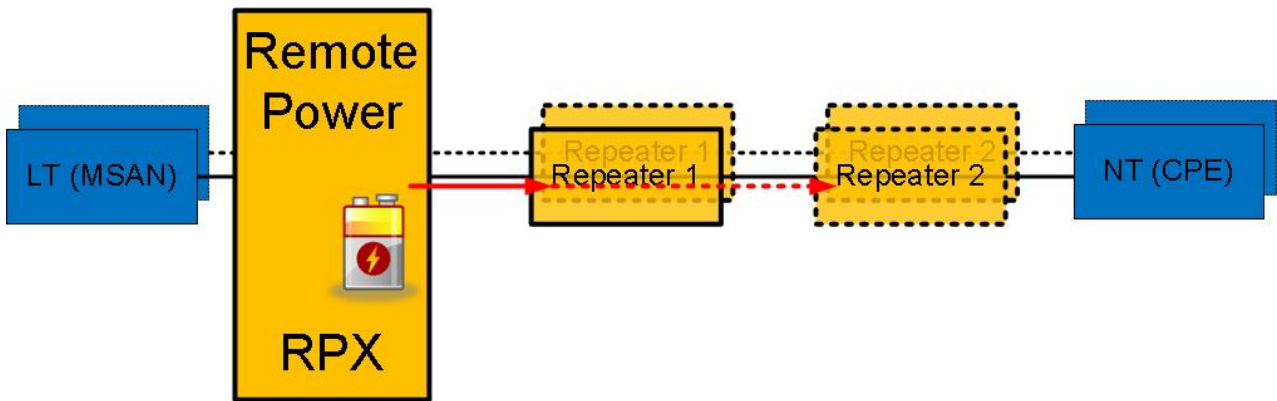
The Remote Power Feeding Unit RPX16 is an easy to install device for feeding remote DSL repeaters over up to 16 twisted pairs. The RPX16 is placed between Central Office equipment (eg Multiservice Access Node MSAN) and the repeater(s) in the field. The application could easily extend (by software upgrade) to other applications as well (e.g. feeding of CPE, Fibre optic locations...)

Each of the 16 remote feeding lines offers a capability of 115VDC and up to 60mA which is round about 7W per line.

Each line is individually supervised and monitored if controlling voltage and current is within the given limits. Short circuit and over voltage are also monitored. In case of detected errors, the line is automatically shut-down to prevent dangerous situations and damages.

Features

- Remote Power Feeding of 16 independent DSL lines
- 7 W feeding power per line
- 1 HE for installation in standard ETSI and 19 inch racks
- Management via local Web GUI, SSH-CLI and SMP
- Remote Power Feeding of other applications prepared



Application Example

Feeding of up to 16 (32) repeaters with Remote Power Feeding Unit RPX16.

Technical Specifications

SHDSL Feeding Line

- 16 x 2-wire SHDSL_{in} and 16 x 2-wire SHDSL_{out} interfaces
- Feeding voltage: 115V
- Feeding current up to 60 mA (short term 70 mA)
- Very small insertion loss for DSL signals
- Current and Voltage supervision
- Security Shutdown < 10ms

Management Interfaces

- Local Management: 10/100 BaseT
- Remote Management: 10/100 BaseT
- Cascading Interface: 10/100 BaseT
- IEEE 802.3 (full- and half-duplex, Autonegotiation)

Management Protocols

- WebGUI (http, https)
- SNMPv2c, SNMPv3 (get, set, bulk, trap)
- SSHv2 for console port
- NTPv3, NTPv4
- TACACS+
- IPv4, IPv6
- 16 different users possible:
 - ⤷ 3 authorization levels
 - ⤷ username / password or SSH-key protection

Product safety

- Electrical safety: EN60950
- Sound emission: none (no fans)
- CE confirm

Environmental

- Operation: ETS 300019-1-3, class 3.1
 - ⤷ Temperature -5...+55°C
 - ⤷ Humidity: 10...90%, non-cond.
- Transportation: ETS 300019-1-2, class 2.3
 - ⤷ Temperature: -40 ...+70°C
 - ⤷ Humidity: 10...95%, non-cond.

Power

- Voltage: -40...-72 VDC
- Current: <4,0 A

Physical

- H x W x D: 44mm x 433 mm x 210 mm
- Weight 2,7 kg
- Mounting angles for ETSI and 19" racks
- All front connections

