



# VPN Router ERT50



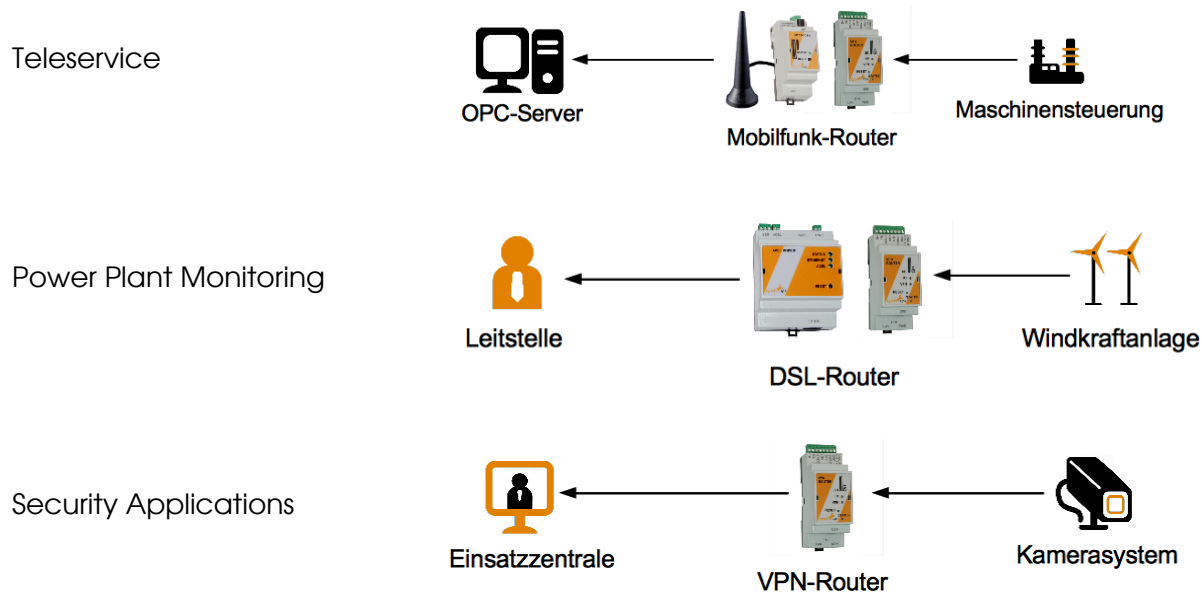
- IPv4, IPv6, NAT and PPP Routing
- 2 LAN Ports 10/100 mbps
- 2 Analog Inputs
- 1 Digital Output
- 1 USB Port
- Free programmable
- Optional Firmware Modules (VPN, Firewall, etc.)
- DIN-rail Mounting
- Temperature Range: -20°C to +60°C

The LyconSys ERT50 is a very compact and powerful VPN Router for remote access and industrial monitoring applications. Due to its small width of 35mm on the DIN-rail, it saves space in the electricity cabinets for other devices.

Its firmware allows to install additional software modules and application by the customer. This adds more functionality to the device to adapt it perfectly for every application.

LyconSys's cellular or DSL modems can be connected to the ERT50 router to turn it into a remote access device. The ERT50 router has 2 analog input to measure analog signals and a digital relay output to switch external loads.

## Applications





# VPN Router

## ERT50

### IP- and Network Features

Operating Modes	LAN-WAN-Router, LAN-LAN-Router, VPN-Client, VPN-Server
Routing (Layer-3)	IPv4 and IPv6, NAT, async PPP and PPPoE, OpenVPN-Client/-Server, IPSec (IKEv1, IKEv2) (option), L2TP (option)
TCP/IP Protocols	IPv4, IPv6 (dual-stack) ARP, DHCP, DNS, Remote Syslog, ICMP, HTTP, HTTPS, SSH, NTP, RDATE, PPPoE, OpenVPN, IPSec

### Ports and Connectors

LAN/WAN-Ports	2 RJ45 Ethernet, 10/100 mbps, MDI/MDI-X, Autonegotiation
Analog Inputs	2 10-bit ADC (single-ended), Input Range: 0 V to 30 V
Serial Ports	1 Solid-State-Relay, max. 1 A / 24 V
Peripherals	1 USB 2.0 host controller
Storage	1 microSD slot
Power Supply	1 Screw-type Terminal, 9 V to 24 V (max. 28V) DC, 0,5 W to 3 W (with external devices)

### Mechanical Data

Housing	DIN-rail Housing (ABS) acc. to DIN 43880
Safety Class	IP30
Mounting	DIN-rail (EN 50022), Wall-mounting option
Size	35 x 58 x 82 mm (W x H x T), equals 2 SU
Weight	88 g
Environmental Conditions	-20 to +60°C (Operation) 5 to 95 % (non condensing)
MTBF	240.000 hours

### Conformities

CE	EN 61000-6-2 EN 61000-6-4 EN 61000-4-2 EN 61000-4-3 + A1:2008 EN 61000-4-4 EN 61000-4-6 EN 55022 + A1:2007 EN 301 511 EN 301 908
ROHS	EN 50581



# VPN Router

## ERT50

### Configuration and Management

User Interface	Web-based (HTTP or HTTPS) Linux-Command-Line / SSH
Indicators	LAN-port LEDs, Front-side LEDs (VPN, Relay output state, device state)
Configuration management	Backup/Restore feature
Network management	UNIX Remote-Syslog (IPv4, IPv6), SNMPv2 (optional), NPRE (optional)

### Additional Features

Watchdogs	2 Hardware-Watchdogs, 1 Software-Watchdog
System Clock	Buffered Real-time-clock (RTC)

### Usage

Web-Interface	HTML5/CSS3
Browser Compatibility	Firefox 3.5/4, Google Chrome, Internet-Explorer 9 or higher
Display Requirements	Optimized for PC, Tablets and Smart-Phones

### Order Information

Product Description	Order Code
VPN Router ERT50	ERT50
Wall-mount kit	WALLMNTKIT