

ERT100

Ethernet Router



- IPv4, IPv6, NAT and PPPoE routing
- Integrated VLAN switch
- 4 LAN ports 10/100 mbps
- 1 SFP slot 100 mbps (fiber optic)
- Integrated USB host controller
- 2 serial ports
- LCD display
- Power Saving Mode (< 0.1 W standby)
- Modular package based firmware
- DIN rail mounting
- Temperature range: -20 to +60°C

This router with integrated 5-port switch and one fiber port offers versatile protocol options like IPv4, IPv6 and PPPoE. The integrated USB host controller connects to memory sticks, UMTS/GSM modems and other peripheral equipment. The modular package based firmware offers various configuration options.

Easy mounting

Due to the compact size the device can be mounted in low profile, low cost junction boxes. The robust mechanical design and the wide operating conditions allow for a wide field of applications.

Optical Ethernet Interface

The device can be equipped with optical transceiver modules (POF, Fiber) for fully EMI secure connectivity. Optical transmission is also the preferred media in rough environments with high jammer level (e.g. melting workplace, switched motors). When used with exposed UMTS/GSM modems and antennas, the optical interface is the perfect solution to protect your attached networks against lightning.

Modular package based Firmware

An integrated, flexible web interface allows easy configuration. Flexible means that the web interface will only present configuration options which are possible and useful with the software packages installed on the device. This feature is essential when shipping 'customer fitted' solutions. Device configurations can be stored, restored and exchanged between different devices.

Intelligent Power Management

When not used, the device can be switched off partially. An integrated Real-Time-Clock will power up the device according to a programmed schedule. This reduces the power consumption extremely but, moreover reduces the thermal energy which is a key in closed switching cabinets.

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ERT100 Ethernet Router

Web based configuration

IP and Network Features

Operating modes
Ethernet routing
Layer-2 switching

Media conversion

TCP/IP
Protocols

Connectors

LAN interfaces

USB host controller
Serial ports
Power supply

IP router, Ethernet switch, media converter
IPv4 and IPv6, NAT, PPPoE client/server
Portbased VLAN aware switching
QoS layer 1-3 (2 priority queues)
Traffic shaping on all ports
MAC filtering
Port security
Copper based Ethernet (RJ45) /
fiber optic (SFP)
IPv4, IPv6 (dual-stack)
ARP, DHCP, DNS, Remote Syslog, ICMP,
HTTP, HTTPS, SSH, NTP, RDATE, PPPoE

4 RJ45 Ethernet, 10/100 mbps, MDI/MDI-X,
Autonegotiation
1 SFP slot, 100 mbps, compatible to 100
BASE-SX/FX/LX/LH modules
2 USB 1.1 ports
2 RS-232
9 V to 24 V DC, min. 3.25 W to max. 9 W
with peripherals

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Configuration and Management

Device management

LyconSys web interface (HTTP or HTTPS)
CLI via Secure Shell (SSH)
LCD display

Configuration management SW packages (optional)

Log output on serial port S1
Backup/Restore/Clone function, change history
DHCP Server/Client
DynDNS Client
E-mail-Client
Firewall (TCP/IP package filtering)
FTP-Server
Preconfigured OpenVPN-Client for mdex
service provider
NTP-Client
OpenVPN-Server/Client
SNMP v2c Agent
SMS-Client and SMS remote control
SSH-Server/Client
Mini SSL-Proxy-Server
Serial port Device-Server (Virtual COM Port)
Network printer server (for USB-printers)
UNIX Remote Syslog (IPv4, IPv6)

Network management

Mechanical Data

Housing

Plastic (ABS) for 35 mm DIN rail mounting
or wall-mounting (optional)

Safety
Dimensions
Environmental conditions

IP30
105 x 68 x 82 mm (W x H x T)
-20 to +60°C (operation)
5 to 95 % (non-condensing)

Weight
Conformities

200 g
CE

Additional Features

Watchdog
System clock

Hardware Watchdog
Buffered real time clock (RTC)

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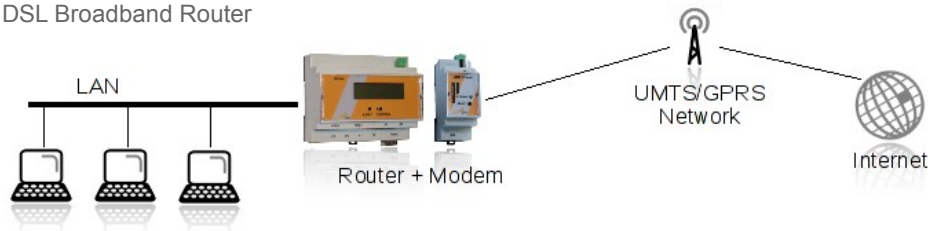
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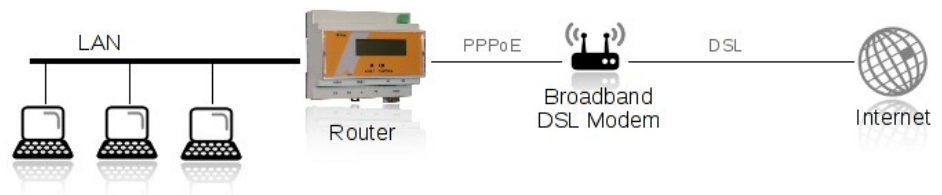
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Applications

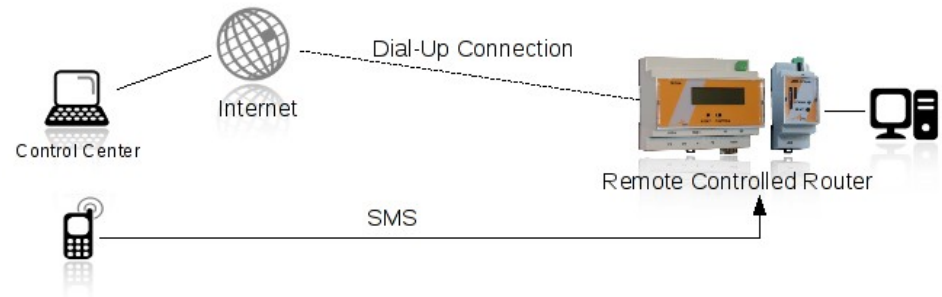
DSL Broadband Router



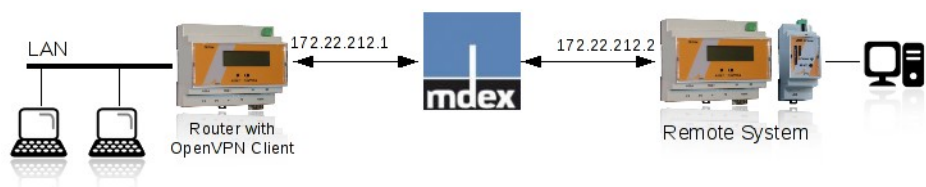
Wireless 3G/2G Router



Remote Controlled System managed via SMS commands



VPN Router (Control Center)



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Order Information

Product Description

Ethernet Router
Wall Mount Kit

Order Code

ERT100
WALLMNTKIT