

# GPRS/EDGE router ER75i v2



## TYPICAL APPLICATIONS

### Industry & IT

- Remote machine service & control
- > LAN and PC connection
- > PLC wireless connection, meter
- > SCADA connection

### **Transport**

- > Trucks/containers
- > Trains, river boats, taxi cars

#### Mobile applications

- > Traffic/security cameras
- > Kiosks, ATM, ticketing machines
- Meteorology/seismology

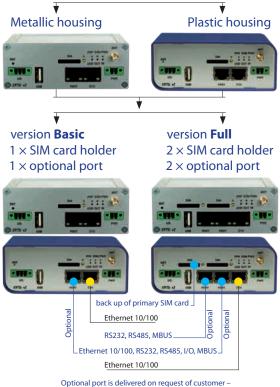
## Energy

- Wind power stations, solar panels
- Gas distribution systems
- > Water distribution systems

Selected case studies see at http://www.conel.cz

## Take advantage of fully modular concept

Buy exactly what you need



it is left blank (connector only) or equipped by one of the interfaces marked above.

GPRS/EDGE router ER75i v2 interconnects large variety of equipment into Internet or Intranet – computers, controlling systems (PLC), ticketing machines, kiosks, wind or solar power stations etc.

GPRS/EDGE router ER75i v2 enables transfer of your datas at maximum speed rate 236,8 kb/s for downlink and 85,6 kb/s for uplink. This is an effective speed for example for PLC interconnection with SCADA system, connection of various meters (water, electricity, temperature etc.) or data transfer from parking machines or various kinds of kiosks.

The main benefit is price/performance ratio in applications where lower communication speed offered by GPRS/EDGE technology is acceptable. Router is designed to work reliably in the professional applications requesting high data security and availability nearly anywhere arround the globe thanks to common GPRS technology.

for devices with interface



# Networking

- DHCP automatic IP addressing in LAN network
- NAT/PAT IP address and ports translation between inside/outside network
- VRRP virtual backup router function
- DvnDNS client access to the router with a dvnamic IP address
- Dial-in the ability to communicate over dial CSD call
- PPPoE Bridge PPP frames encapsulation inside ETH frames

## **VPN** tunnelling

- IPsec, OpenVPN, L2TP secure encrypted tunnels
- GRE tunnel simple tunnel without security meassures

## Configuration and diagnostics

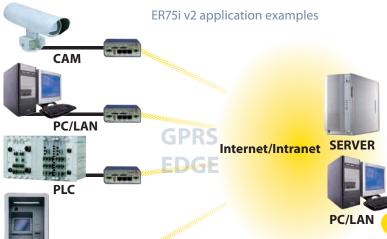
- HTTP server configuration via web server
- Telnet configuration and access to the file system
- SNMP router diagnostics, communication with I/O and M-BUS
- GPRS/EDGE state signalization by LED
- On-line info on GSM signal status (level, cell, neighbours)
- SMS info power on, GPRS connection or disconnection
- SMS control on/off GPRS connection, switch SIM, I/O etc.
- Transferred data counting, one more APN as backup
- Remote router group configuration change, switching among configuration profiles
- SSH encrypted configuration and access to the file system

## Other functions and features

- Linux based, possibility to program your own application
- NTP client, NTP Server time synchronization
- SMS communication AT commands on RS232, Ethernet and I/O
- M-RAM memory inside router statistic's saving into memory

## **Extensions**

- 2 × optional port: Port 1 and Port 2 Port 1: Ethernet 10/100, RS232, RS485/RS422, M-BUS Master or CNT (I/O) -  $2 \times$  binary input,  $2 \times$  counter / binary input,  $2 \times$  analog input, 1 × binary output)
- Port 2: RS232, RS485/RS422, M-BUS Master
- Optional ports delivered on request of customer
- 1 × SIM card holder
- Metallic or plastic cover
- R-SeeNet monitoring and management SW for routers







Version standard - plastic housing



Version SL - metal housing

FR751 V	: communicatio	n naramatare
LI 1/ JI VZ	Communicatio	n parameters

Frequency bands Quad-Band

850/900/1800/1900

MHz

GPRS/EDGE max. download 236,8 kb/s max. upload 85,6 kb/s

General overview			
Temperature range	from -30 °C to +60 °C		
Power supply	10 V to 30 V DC		
User interface	1 × Ethernet (10/100 Mbit/s) 1 × USB 2.0 type A Host 1 × I/O (binary input/output) 2 × Optional port – on request of customer one of the following interfaces: Port 1: • Ethernet 10/100 • RS232 • RS485/RS422 • M-BUS • inputs/outputs (I/O) Port 2: • RS232 • RS485/RS422 • M-BUS		
Dimensions	42×76×113 mm (DIN rail 35 mm)		
Weight	150 g		
Antena connector	SMA – 50 Ohm		
Standards	comply CE EN 301 511, v9.0.2 EN 301 908–1&2, v3.2.1 ETSI EN 301 489–1 V1.8.1 EN 60950–1:06 ed. 2 + A11:09		

#### contact

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**ATM**