



# UMTS/HSUPA router UR5i



**2 x Ethernet possible**

**...industrial reliability**

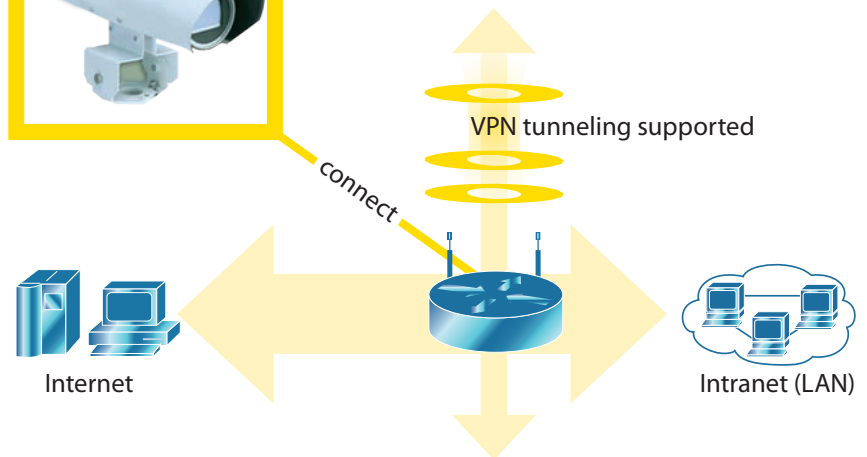
**2 x USB 1.1 Host**

**2 x SIM cards**

**7,2 Mb/s download  
2 Mb/s upload**



**Ideal for camera applications**



UMTS/HSUPA router UR5i interconnects large variety of equipment into Internet or Intranet – namely cameras, computers, controlling systems, complete LAN networks etc. Router is standardly delivered in 2 SIM card version with interface 1 x Ethernet 10/100 and 2 x USB 1.1 – Host. We can also deliver version with one more optional port Ethernet 10/100 or RS232/RS485/RS422/MBUS or inputs/outputs (I/O) on request of customer. The optional port enables to connect any device with above mentioned interface such as ATM, various industrial metering devices, GPS etc. by high speed UMTS/HSUPA wireless technology.

UMTS/HSUPA router UR5i enable transfer of your datas at extraordinary high rate – download 7,2 Mb/s and upload 2 Mb/s. This is the effective speed for example in picture and motion transfer from cameras (traffic density, crossroad cameras, security cameras etc.). This extra high download and upload speed enables even transferring movie or large

photos in a short time. If UMTS or HSUPA is not available UR5i switches to slower EDGE or GPRS. Router can be also configured to check connection automatically and supports VPN - IPsec, OpenVPN, L2TP.

The main advantages of UR5i is extra high communication speed and a short response rate thanks to advanced UMTS/HSUPA technology. Router is designed to work reliably in the professional applications requesting large data transmission loads in a short time interval via mobile wireless network – ideal is for all camera applications. Other benefit is a user friendly configuration using web interface (HTTP) secured by password. It means you can configure parameters of UR5i from your computer by standard web browser (e.g. MS Explorer) from all over the world. UR5i router keeps all the advanced features of his succesfull industrial router predecessors from company Conel s.r.o. – UMTS/HSDPA router UR5 and GPRS/EDGE router ER75i.

for devices with interface

ethernet  
USB ■ RS232 ■ RS485 ■ MBUS ■ I/O

## Networking

- DHCP – automatic IP addressing in LAN network
- NAT – IP address and ports translation between inside/outside network
- VRRP – virtual backup router function
- DynDNS client – access to the router with a dynamic IP address

## VPN tunnelling

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

## Configuration and diagnostics

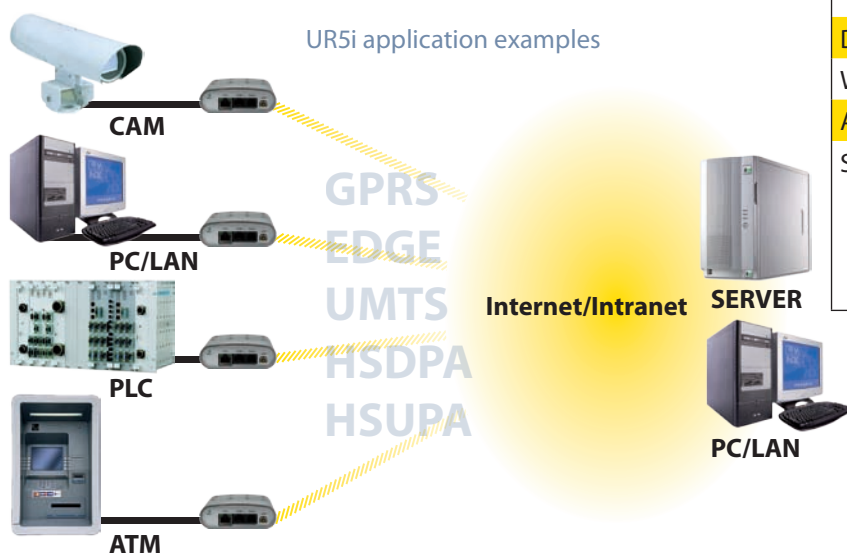
- HTTP server – configuration via web server
- Telnet – configuration and access to the file system
- SNMP – router diagnostics, communication with I/O and M-BUS
- GPRS state signalization by LED
- On-line info on GSM signal status (level, cell, neighbours)
- SMS info – power on, GPRS connection or disconnection
- 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

## Other functions and features

- 2 × SIM card for back up of communication
- Linux based, possibility to program your own application
- NTP client, NTP Server – time synchronization
- SMS communication – AT commands on RS232, Ethernet and I/O

## Extensions

- Optional port Ethernet 10/100, RS232, RS485/RS422, M-BUS Master or CNT (I/O - 2 × binary input, 2 × counter / binary input, 2 × analog input, 1 × output) – optional port delivered on request of customer
- Metallic or plastic cover



Standard version in plastic cover



Version SL - metal cover

### UR5i communication parameters

Frequency bands	Quad – band UMTS/HSUPA 800/850/1900/2100 MHz Quad – band GSM/GPRS/EDGE 850/900/1800/1900 MHz
UMTS/HSUPA	max. download 7,2 Mbps max. upload 2 Mbps

### General overview

Temperature range	from -20 °C to +55 °C
Power supply	10 V to 30 V DC
User interface	1 × Ethernet (10/100 Mbit/s) 2 × USB 1.1 type A Host 1 × Optional Port 1 – on request of customer one of the following interfaces: • Ethernet 10/100 • RS232 • RS485/RS422 • MBUS • inputs/outputs (I/O) 1 × I/O in metal version in standard
Dimensions	30×90×102 mm (DIN rail 35 mm)
Weight	150 g
Antena connector	FME – 50 Ohm
Standards	comply CE EN 301 511, v9.0.2 EN 301 908-1&2, v2.2.1 ETSI EN 301 489-1 V1.8.1 EN 60950-1 ed. 2

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