

UMTS/HSDPA router UR5

VPN supported

2 x SIM possible

*3,6 Mb/s download
384 Kb/s upload*



Connection of ATM

Interconnection PC or LAN

Interconnection of industrial control systems

Traffic, security and surveillance cameras

UMTS/HSDPA router UR5 interconnects large variety of equipment into Internet or Intranet. Namely computers, controlling systems or LAN networks. Router is standardly equipped by 1 x Ethernet 10/100 and 1 x USB - Host port. We can deliver version with one more optional port RS232 or RS422 or RS485 or MBUS or inputs/outputs (I/O) and add extra SIM on request of customer. Via Ethernet or optional port is possible to connect any device with above mentioned interface such as ATM, various industrial metering devices, GPS etc. by high speed UMTS/HSDPA wireless technology.

High speed technology UMTS allows to transfer data up to 384 kb/s. This is effective speed for example in picture transfer from traffic cameras (traffic density, crossroad cameras etc.) or security and surveillance sector (building control, street spotting etc.). Furthermore High Speed Downlink Packet Access technology (HSDPA) increases speed for downlink up to 3,6 Mb/s. This extra downlink speed enables even transferring movie.

If UMTS or HSDPA is not available UR5 can switch to slower EDGE technology (up to 236 Kb/s) or GSM-GPRS (up to 85,6 Kb/s). Routers can be also configured to check connection automatically and support VPN – IPsec, OpenVPN, L2TP.

The main advantages of UR5 is extra high communication speed and a short response rate thanks to UMTS/HSDPA technology. Router is designed to work in the professional applications requesting large data transmission loads in a short time interval via mobile wireless network – ideal is for camera applications.

Other benefit is a user friendly configuration using web interface (HTTP) secured by password. It means you can configure parameters of UR5 from your computer by standard web browser from all over the world. UR5 router keeps all the advanced features of his successful industrial router predecessor from company Conel s.r.o. – 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
- Dial-in – the ability to communicate over dial CSD call

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

- 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

- DUO version – two SIM cards for backup communication
- Optional port 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

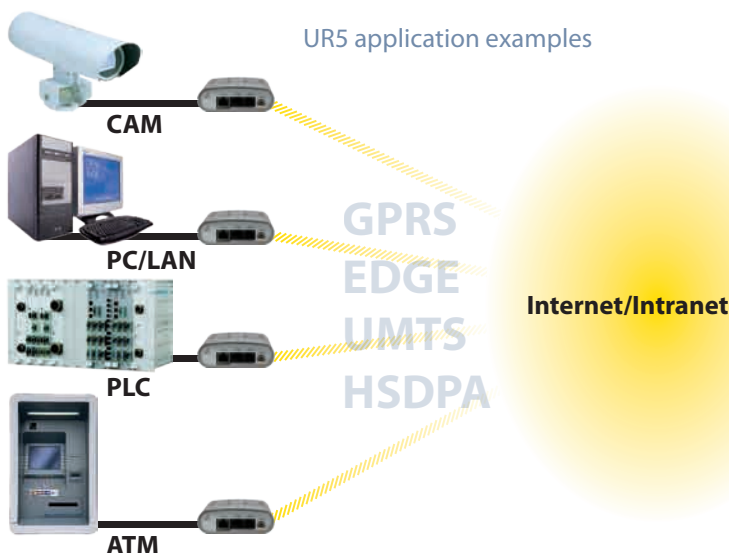
UR5 communication parameters

| | |
|-----------------|--------------------------------------------------------------------------------------|
| Frequency bands | Tri-Band UMTS/HSDPA 850/1900/2100 MHz Quad – band GSM 850/900/1800/1900 MHz |
| UMTS/HSDPA | max. download 3,6 Mbps max. upload 384 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) 1 × USB 1.1 type A Host 1 × Optional Port 1 – on request of customer one of the following interfaces: • RS232 • RS485/RS422 • MBUS • CNT – inputs/outputs (I/O) |
| 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 V1.6.1 EN 60950-1:06 ed.2 |

UR5 application examples



contact

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