

# UMTS/HSPA+ router UR5i v2

› Producer website:  
[www.conel.cz](http://www.conel.cz)

*...data goes fast*



## TYPICAL APPLICATIONS

### Mobile applications

- › Traffic/security cameras
- › Kiosks – ATM, betting terminals
- › Meteorology/seismology

### Transport

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

### Industry & IT

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

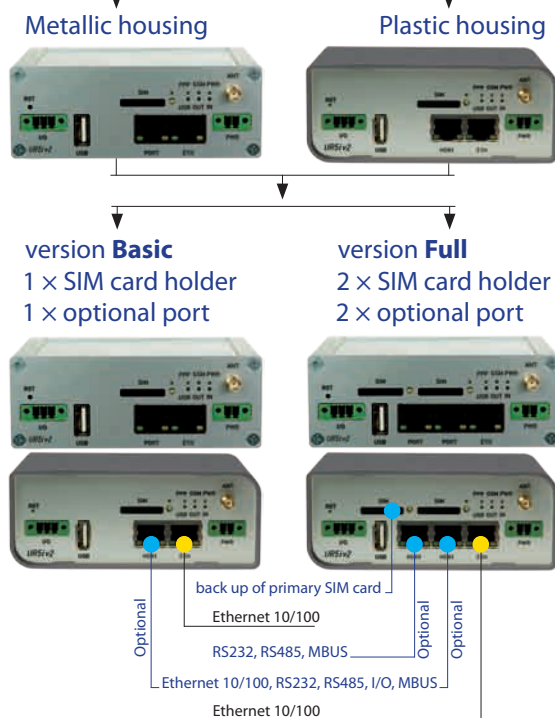
### Energy

- › 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



Optional port is delivered on request of customer –  
it is left blank (connector only) or equipped by one of the interfaces marked above.

UMTS/HSPA+ router UR5i v2 interconnects large variety of equipment into Internet or Intranet – namely cameras, computers, controlling systems, complete LAN networks etc.

UMTS/HSPA+ router UR5i v2 enable transfer of your data at extraordinary high rate – max. downlink 21,1 Mb/s and uplink 5,7 Mb/s. This is an 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 transfer of video stream.

The main benefit of UR5i v2 is extra high communication speed and a short response rate thanks to advanced UMTS/HSPA+ technology. Router is designed to work reliably in the professional applications requesting large data transmission loads in a short time interval via mobile operator wireless network.

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
- PPPoE Bridge – PPP frames encapsulation inside ETH frames

## 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
- SSH – encrypted configuration and access to the file system

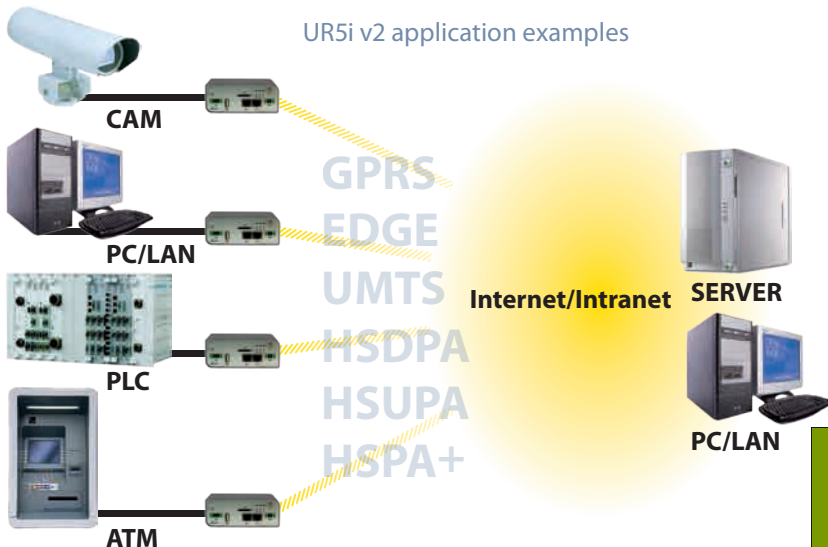
## Other functions and features

- 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 × binary input, 2 × counter / binary input, 2 × analog input, 1 × binary output)
- Port 2: RS232, RS485/RS422, M-BUS Master
- Optional ports delivered on request of customer
- Metallic or plastic cover
- **R-SeeNet** – monitoring and management SW for routers

UR5i v2 application examples



Version in plastic housing



Version SL - metal housing

### UR5i v2 communication parameters

Frequency bands	<ul style="list-style-type: none"> <li>• Quad Band UMTS (WCDMA): 850, 900, 1900 and 2100 MHz</li> <li>• Quad-Band GSM/GPRS/EDGE: 850, 900, 1800, 1900 MHz</li> </ul>
UMTS/HSPA+	max. download 21,1 Mbps max. upload 5,7 Mbps

### 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: <ul style="list-style-type: none"> <li>• Ethernet 10/100</li> <li>• RS232</li> <li>• RS485/RS422</li> <li>• M-BUS</li> <li>• inputs/outputs (I/O)</li> </ul> Port 2: <ul style="list-style-type: none"> <li>• RS232</li> <li>• RS485/RS422</li> <li>• M-BUS</li> </ul>
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

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