UNITRONICS®

Unitronics 4G Routers
LTE & WiFi Industrial Cellular Routers

New 4G/LTE & WiFi cellular Routers support embedded SMS functionality, RS232, RS485, GNSS (GPS), Micro-SD, USB interface, and on-board Digital & Analog I/Os.

Hardware Configuration Models:

UCR-ST-B5	4G LTE & WiFi cellular router with 2 Ethernet ports and Digital I/O.	
UCR-ST-B8	Dual-SIM 4G LTE & WiFi cellular router with 4 Ethernet ports. Digital & Analog I/Os, RS232, RS485, GNSS (GPS), microSD & USB interface.	

→ Unitronics' new UCR Routers integration with UniStream™ series allow easy SMS control - Sending and receiving SMS messages via Ethernet.

Accessories:

UCR-OP-B5-DIN - UCR B5/B8 DIN RAIL KIT

✓ Secure

✓ Easy to Use

✓ Rich Features

✓ High Performance

✓ Remote Monitoring & Control

✓ Suitable for Multiple Sectors

✓ Flexible

✓ Embedded Firewall

✓ Multiple VPN Options

✓ Compact & Low Weight

✓ Immediate Product Supply

✓ Supporting Various Encryption Protocols

UNITRONICS®

UCR-ST-B5 4G LTE & WiFi cellular router with 2 Ethernet ports and I/O

LTE 4G — Speeds up to 150 Mbps

WAN failover, Automatic switch for Backup

Compact dimensions, simple integration

Digital Inputs/Outputs for remote control and monitoring

Wireless Access with Hotspot

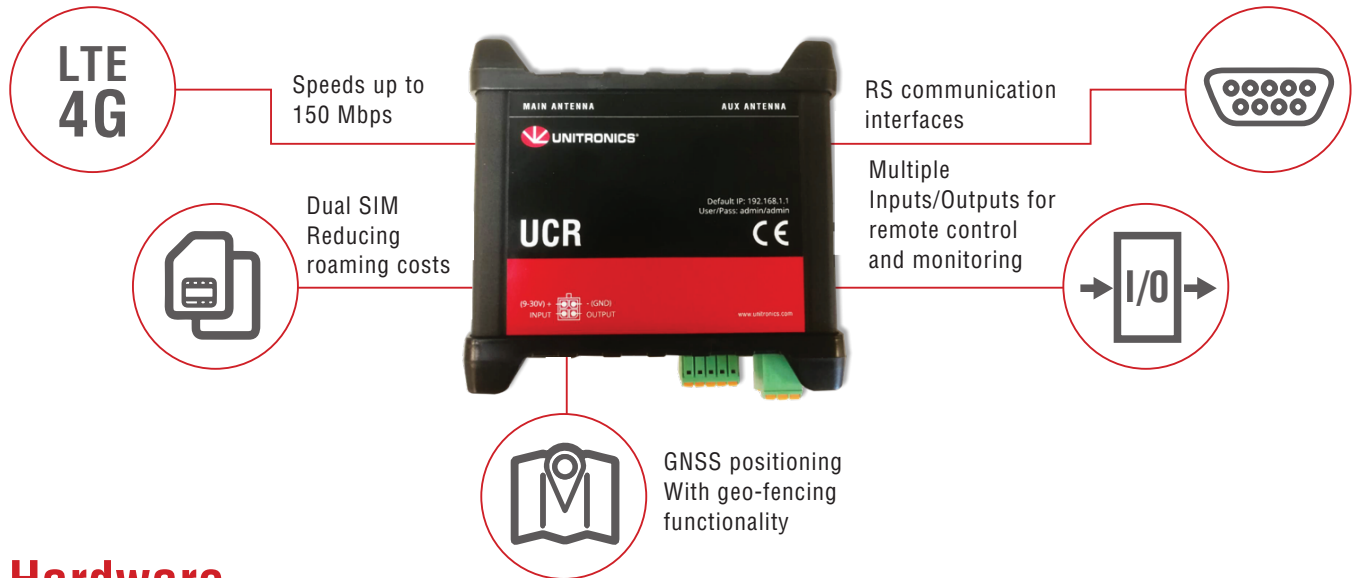## Hardware

Mobile	4G (LTE) Cat 4 DL up to 150 Mbps, UL up to 50 Mbps; DC HSPA+; UMTS; TD SCDMA; EDGE; GPRS
CPU	Atheros Hornet, MIPS 24 Kc, 400 MHz
Memory	16 MB Flash, 64 MB DDR 2 RAM
Ethernet	2x 10 100 Ethernet ports: 1 x WAN (configurable as LAN), 1 x LAN
Power Supply	9 - 30 VDC, 4 pin DC connector
PoE (passive)	Passive PoE over spare pairs (available from HW revision 0007 and batch number 0010).
	Possibility to power up through LAN port, not compatible with IEEE 802.3 af and 802.3 at
Inputs/Outputs	1x Digital Input, 1 x Digital Open Collector Output on power connector
Connectors	1x 4 pin DC, 2 x Ethernet, 2 x Mobile SMA, 1 x WiFi RP SMA
SIM	1x external SIM holder
Status LEDs	2x connection type status, 5 x connection strength, 2 x LAN status, 1 x Power
Operating Temperature	-40 C to 75 C
Housing	Aluminum housing, plastic panels
Dimensions	83mm x 74 mm x 25 mm
Weight	125 g

Unitronics Software Features

Dynamic DNS

Multiple VPN Protocols

Wireless Access Point and Wireless Client

Firewall

I/O Control

MQTT Broker

Modbus TCP and Modbus RTU

NTP Server

For more information, visit www.unitronics.com

UCR-ST-B8 Dual-SIM 4G LTE & WiFi cellular router with 4 Ethernet ports

LTE 4G

Speeds up to 150 Mbps

Dual SIM Reducing roaming costs

RS communication interfaces

Multiple Inputs/Outputs for remote control and monitoring

GNSS positioning With geo-fencing functionality

(device image labeled MAIN ANTENNA, AUX ANTENNA, UNITRONICS, UCR, Default IP: 192.168.1.1 User/Pass: admin/admin, CE, (9-30V) + - (GND) INPUT OUTPUT, www.unitronics.com)

Hardware

Mobile	4G (LTE) Cat 4 DL up to 150 Mbps, UL up to 50 Mbps; DC HSPA+; UMTS; TD SCDMA; EDGE;GPRS
CPU	Atheros Wasp, MIPS 74 Kc, 550 MHz
Memory	16MB Flash, 128 MB DDR 2 RAM
Ethernet	4x 10 100 Ethernet ports: 1 x WAN (configurable as LAN), 3 x LAN ports
Power Supply	9 - 30 VDC, 4 pin DC connector
PoE (passive)	Passive PoE over spare pairs (available from HW revision 0007 and batch number 0010). Possibility to power up through LAN port, not compatible with IEEE 802.3 af and 802.3 at
Inputs/Outputs	3x Inputs (Digital, Digital galvanically isolated, Analog) + 1 x Digital Input on power connector
Connectors	1x 4 pin DC, 4 x Ethernet, 2 x Mobile SMA, 2 x WiFi RP SMA , 1 x GPS SMA , 1 x RS 232 , 1 x 6 pin
Memory Cards	microSD, Hinge Type slot
SIM	2x external SIM holders
Status LEDs	1x bi color connection status, 5 x connection strength, 4 x LAN status, 1 x Power
Operating Temperature	-40 C to 75 C
Housing	Aluminum housing, plastic panels
Dimensions	100mm x 110 mm x 50 mm
Weight	287 g

Unitronics Software Features

Dynamic DNS

Multiple VPN Protocols

Wireless Access Point and Wireless Client

GPS Geo-fencing

Firewall

I/O Control

MQTT Broker

Modbus TCP and Modbus RTU

NTP Server

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