HSPA+ router
UR5i v2 Libratum
Latest broadband wireless technology...

Conel
A **B&B ELECTRONICS** Company

The **UR5iv2 Libratum** is a **HSPA+** , wireless router features **high speed data rates** (14.4 Mbps), **two Ethernet 10/100 ports** and **dual-SIM failover** capability for mission critical applications.

This router is particularly suited to the demands of the "**Transaction Management**" industry such as point-of-sale terminals, remote **ATMs** and **vending terminals** as well as a huge variety of intelligent **Remote monitoring** and **Control applications** in the **Transport**, **Energy** and **Security** sectors.
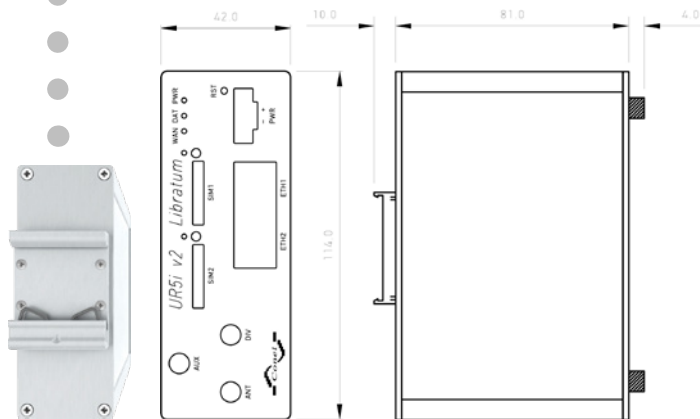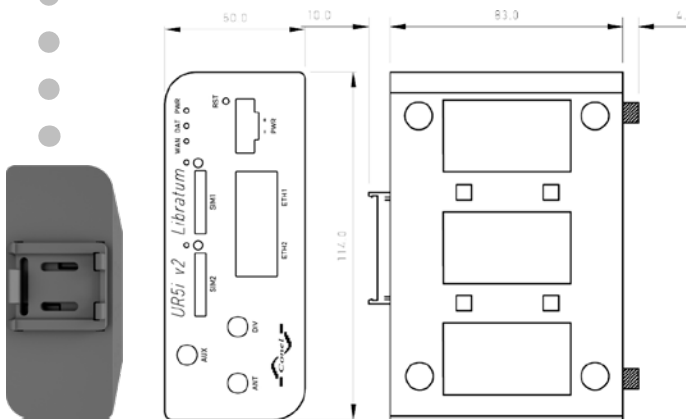
PLASTIC VERSION

METALLIC VERSION

| LED	COLOR	DESCRIPTION	FUNCTION
PWR	Green	Blinking Permanently on Fast blinking	Router is ready Starting of the router Updating firmware
DAT	Red	Blinking	Communication in progress (Global system for mobile communication)
WAN	Yellow	1x Flash per second 2x Flash per second 3x Flash per second	1x - Signal strength is from -50dBm to -69dBm 2x - Signal strength is from −70 dBm to −89 dBm or difference between neighbours cells is exactly 3 dBm 3 x- Signal strength is from −90 dBm to −113 dBm or difference between neighbours cells is smaller than 3 dBm
SIM 1	Yellow	Permanently on	SIM card 1 is active
SIM 2	Yellow	Permanently on	SIM card 2 is active
ETH	Green	On Off	selected 100MBit/s selected 10MBits/s
ETH	Yellow	Permanently on Blinking OFF	The network cable is connected Data transmission The network cable is not connected
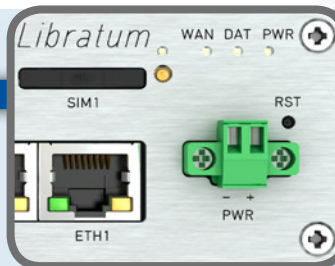
ORDERING INFORMATION

TRADE NAME	ORDER CODE	DESCRIPTION
UR5i v2 Libratum	UR5i v2L	variant with 2 antennas, plastic case
UR5i v2 Libratum WIFI	UR5i v2L WIFI	variant with 3 antennas, WiFi, plastic case
UR5i v2 Libratum SL	UR5i v2L SL	variant with 2 antennas, metallic case
UR5i v2 Libratum WIFI SL	UR5i v2L WIFI SL	variant with 3 antennas, WiFi, metallic case

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UR5i v2 Libratum

ISO9001 CERTIFIED · CE · PCT · RoHS

General overview

ETH 1	• Ethernet 10/100
ETH 2	• Ethernet 10/100
WiFi *optional	• 802.11b, 802.11g, 802.11n • **Security** - 64/128 WEP, TKIP, AES • **Authentication** - Shared, WPA-PSK, WPA2-PSK
Standarts:	• 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 + A1:10
Power supply:	• from 10V to 30V DC
Temperature range:	• from -30 °C to +85°C
Weight:	• PLASTIC version: 150g; METALLIC (SL) version: 200g
Dimension:	• PLASTIC version - 50x83x116mm • METALLIC (SL) version - 42x80x113mm
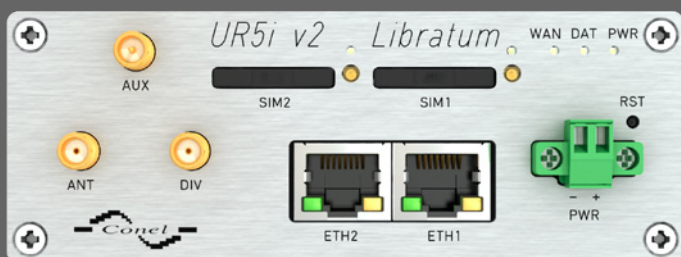
Networking

DHCP	• Automatic IP addressing in LAN network
NAT/PAT	• IP address and ports translation
Firewall	• Filtering of addresses, ports, protocols
VRRP	• Virtual backup router function
DynDNS client	• Access to the dynamic IP address
VLAN 802.1Q	• Virtual LAN
QoS	• Quality of service
PPPoE Bridge	• PPP over Ethernet Bridge mode
Dial-in	• Communicate over dial CSD call
NTP client - server	• Time synchronization
IGMP	• Internet Group Management Protocol
BGP, OSPF, RIP	• Dynamic routing protocols
PPPoE Bridge	• Network protocol for encapsulating PPP protocol

VPN Tunnelling

IPSec	• Pre-Shared key, Username/Password, X.509, Initiator - Responder (DES, 3DES, AES, MD5, SHA-1, DH-2,5,14-18)
OpenVPN	• Pre-Shared key, Username/Password, X.509, Server/Client/Multiclient (BF-CBC, AES128, DES3DES)
L2TP, PPTP	• Simple tunnel with Username/Password auth.
EasyVPN	• Simple tunnel with Username/Password auth.
GRE	• Simple tunnel without security meassures

General overview

HSPA+ parameters	• Bit rate 14.4 Mbps / 5,76 Mbps • 3GPP rel. 6/7 standard • Data compress 3GPP
UMTS parameters	• Download – 384 kbpss • Upload – 384 kbps • 3GPP rel. 6/7 standard
EDGE/GPRS parameters	• Bit rate EDGE 237 kbps / 237 kbps • Bit rate GPRS 85,6 kbps / 85,6 kbps • Multislot class 12, CS 1 to 4, 3GPP rel. 99/4 standard
Support channel:	• Quad Band HSPA+ 850/900/1900/2100 MHz • Quad Band GSM 850/900/1800/1900 MHz

Configuration

HTTP/HTTPS	• For local and remote configuration
Telnet	• Configuration via telnet
SSH	• Configuration via SSH
Automatic Config	• Automatic config update from http or ftp ser.
Automatic FW update	• Automatic FW update from http or ftp servers
Configuration profiles	• Up to 4 independent config profiles
Startup Script	• Script begin after the start of router
Up/Down Script	• Scripts begin after when ppp interface up/down
Backup Configuration	• Backup of router configuration
Restore Configuration	• Restore of router configuration

Diagnostic

Status Network	• All information about active interface
Status DHCP	• Status of DHCP server
Status UMTS/GPRS	• Mobile network information, statistic
Status IPSec	• Status of IPSec
System Log	• List of system messages
SNMP	• SNMP traps with R-SeeNET

Software modules for v2 routers

Pinger	• Ping from web interface
EASY VPN client	• EASY VPN client - secure connection
NMAP	• Module for TCP, UDP scan
GPRS	• The same parameters each of profiles
Daily Reboot	• Scheduled daily reboot router
HTTP Authentification	• Secure HTTP connection to the router
BGP, RIP, OSPF	• Add support of dynamic protocols
WiFi	• Enable access to WiFi hardware
PoS Configuration	• Allows send the content of memory to FTP
pduSMS	• You can send SMS from v2 router web inter.

Additional Software for v2 routers

R-SEENET

R-SeeNet is software for monitoring of states and functions of Conel routers.

SMARTCLUSTER

SmartCLUSTER is a software designed to create safe communication systems while using a public network Internet.

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