

UR35 Industrial Cellular Router

Reliable and Remote-Manageble for Large Scale M2M Deployment

High Speed LTE Networking Platform



The Ursalink UR35 is a cost-effective industrial cellular router with embedded intelligent software features that are designed for multifarious M2M/IoT applications. Global WCDMA and 4G LTE carrier supported make this drop-in connectivity a great help for operators in maximizing uptime.

Integrating embedded cellular modem and dual SIM function, the UR35 provides 3G/4G cellular network with 150 Mbps download and 50 Mbps uplink, it also has 5 fast Ethernet ports and supports Wi-Fi that compliance with 802.11b/g/n standard. All these capabilities deliver users an uninterrupted internet access.

Easy deployment and comprehensive remote device management makes UR35 versatile in most of IoT/M2M applications.

Benefits

- Dual SIM cards for backup between multiple carriers networking and global 2G/3G/LTE options make it easy to get connected
- Flexible modular design provides users with different connection modules like Ethernet, I/O, serial port, Wi-Fi, GPS for connecting diverse field assets
- Rugged enclosure, optimized for DIN rail or shelf mounting
- 3-year warranty included

Security & Reliability

- Automated failover/failback between Ethernet and Cellular (dual SIM)
- Enable unit with security frameworks like IPsec/OpenVPN/GRE/L2TP/PPTP/DMVPN
- Embed hardware watchdog, able to automatically recover from various failure, ensure highest level of availability
- To establish a secured mechanism on centralized authentication and authorization of device access by supporting AAA (Radius, TACACS+, LDAP, local Authentication) and multiple levels of user authority

Easy Maintenance

- Ursalink DeviceHub provides easy setup, mass configuration, and centralized management of remote devices
- The user-friendly web interface design and more than one option of upgrade help administrator to manage the device as easy as pie
- Web GUI and CLI enable the admin to achieve simple management and quick configuration among a large quantity of devices
- Efficiently manage the remote routers on the existing platform through the industrial standard SNMP

Capabilities

- Link remote devices in an environment where communication technologies are constantly changing
- Support 802.11b/g/n, as AP or client mode, to establish versatile wireless network or be the backup WAN link for 3G/4G
- Support rich protocols like SNMP, Modbus bridging, RIP, OSPF
- Support wide operating temperature ranging from -40°C to +70°C/-40°F to +158°F

Application Example



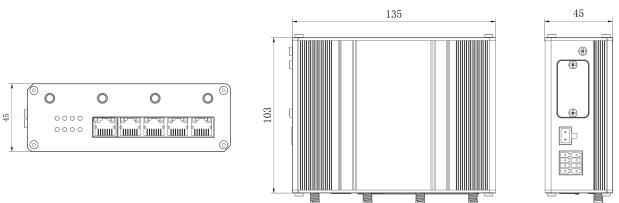
Specifications

Hardware System		
CPU	528 MHz, ARM Cortex A7	
Memory	128 MB Flash, 128 MB DDR3 RAM	
Storage	1 × Micro SD	
Ethernet Interface		
Ports	5 × RJ-45	
Property	$1 \times WAN + 4 \times LAN$ (PoE PSE Optional)	
Physical Layer	10/100 Base-T (IEEE 802.3)	
Data Rate	10/100 Mbps (Auto-Sensing)	
Interface	Auto MDI/MDIX	
Mode	Full or half duplex (Auto-Sensing)	
Cellular Interfaces		
Connectors	$2 \times 50 \Omega$ SMA (Center PIN: SMA Female)	
SIM Slots	2	
Wi-Fi Interface (Optional)		
Connectors	$1 \times 50 \Omega$ SMA (Center PIN: SMA Male)	
Standards	IEEE 802.11b/g/n	
Tx Power	802.11b: 16 dBm +/-1.5 dBm (11 Mbps)	
	802.11g: 14 dBm +/-1.5 dBm (54 Mbps)	
	802.11n: 13 dBm +/-1.5 dBm (65 Mbps, HT20/40 MCS7)	
Modes	AP and Client mode	
Security	WPA/WPA2 authentication, WEP/TKIP/AES encryption	

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Environmental		
	Operating Temperature	-40°C to +70°C (-40°F to +158°F) Reduced Cellular Performance Above 60°C

Storage Temperature	-40°C to +85°C (-40° $^{ m F}$ to +185° $^{ m F}$)
Ethernet Isolation	1.5 kV RMS
Relative Humidity	0% to 95% (non-condensing) at 25°C/77° ${ m F}$

Product Images/Dimensions (mm)



Ordering Information

Model	UR35
Air Interface	LTE(LTE-FDD/LTE-TDD)/CDMA(CDMA
	1x/EVDO)/TD-SDMA/DC-HSPA+/HSPA+/HSUPA/HSDPA/WCDMA/EDGE/GPRS/GSM
4G	-EC: B1/B3/B5/B7/B8/B20/B28A@FDD LTE
	-AF: B2/B4/B5/B12/B13/B14/B66/B71@FDD LTE
	-AU: B1/B2/B3/B4/B5/B7/B8/B28@FDD LTE, B40@TDD LTE
	-J: B1/B3/B8/B18/B19/B26 @FDD LTE, B41@TDD LTE
	-CE: B1/B3/B5/B8@FDD LTE, B38/B39/B40/B41@TDD LTE
3G	-EC: B1/B8@WCDMA
	-AF: B2/B4/B5@WCDMA
	-AU: B1/B2/B5/B8 WCDMA
	-J: B1/B6/B8/B19@WCDMA
	-CE: B1/B8@WCDMA, B34/B39@TD-SCDMA, BC0@CDMA2000 1×/EVDO
2G	-EC: B3/B8@GSM
	-AU: B2/B3/B5/B8@GSM
	-CE: 900/1800@GSM

*: Any other frequency bands requirements please contact us.

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