ICR-W402

4G LTE, GPS, IEEE 802.11 b/g/n 2T2R Router

◢ **Multi-band connectivity with LTE Cat 4 / FDD LTE/ TDD LTE/ WCDMA/ GSM**

◢ **IEEE 802.11b/g/n WiFi 2T2R**

◢ **Enhance security and encryption for authentication and transmission**

◢ **Provides dual SIM slots**

◢ **-30 ~ 70° C for using in harsh environments**

◢ **Compact size**

◢ **CE, RED certified**

This compact, cost-effective, industrial grade 4G LTE router, ICR-W402, provides 2 LAN plus 1 WAN Fast Ethernet connections and supports uplink to 2G/3G/4G cellular mobile data networks. Built for harsh environments, the router is equipped with a DI/DO interface, has WiFi compliant with IEEE 802.11b/g/n and features VPN Tunneling with Firewall and management capability. The ICR-W402 is easy to configure through its embedded Web user interface. It provides highly secure authentication, encryption and management, to protect your data between public and private networks and simplifies your complicated solutions for smart city and industrial networking.

Features

▪ Highly reliable and secure for mission-critical cellular communications
▪ Compact and lightweight design with 2 LAN and 1 WAN Ethernet interfaces
▪ Supports multi-band connectivity with FDD LTE/ TDD LTE/ WCDMA/ GSM/ LTE Cat 4
▪ Provides IEEE 802.11b/g/n WiFi 2T2R
▪ LED indicators for connection and data transmission status
▪ Industrial temperature rated from -30 ~ 70° C for use in harsh environments
▪ Enhance security and encryption for authentication and transmission

Specifications

Standard		
	IEEE 802.3	10Base-T 10Mbit/s Ethernet
	IEEE 802.3u	100Base-TX Fast Ethernet
	IEEE 802.1Q	Virtual LANs (VLAN)
	IEEE 802.3x	Flow control for Full Duplex
	IEEE 802.1X	Port based and MAC based Network Access Control, Authentication
LTE Interface	Cellular MobilComm standard: (Please see order information for optional area and band) 4G LTE: FDD-LTE, TDD-LTE 3G: WCDMA 2G: GSM/EDGE LTE Data rate: Cat 4, 150Mbps (Download), 50Mbps (upload) 2x SIM slots	
WiFi Interface	IEEE 802.11b/g/n WiFi Standards	
	Supports AP, Client	

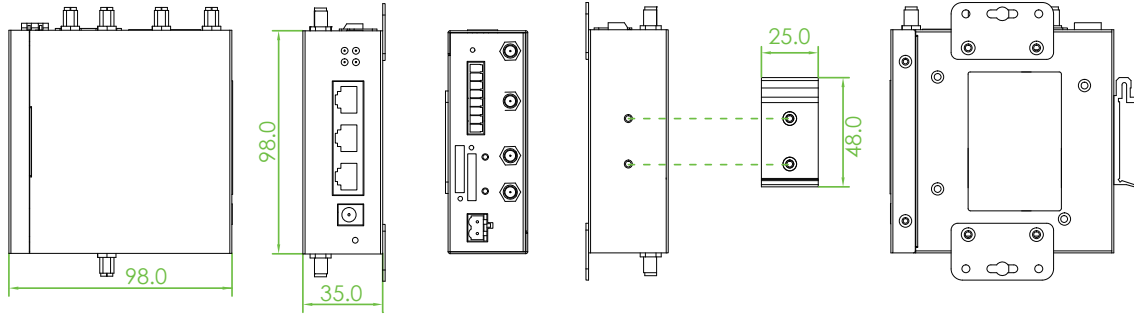| Hardware Interface	2x SIM slots
	2x LAN Fast Ethernet port
	1x WAN Fast Ethernet port
	Reset Button for device reset
	1x RS232 (TXD/RXD/GND) and 1x RS485
	2x SMA connectors for detachable LTE Antenna
	2x RP-SMA for WiFi Antenna
	1x SMA for GPS detachable Antenna
Housing	Rugged metal, Fanless, IP30 protection
Dimensions	98 x 98 x 32mm (D x W x H)
Weight	400g
Installation	DIN Rail mounting, or wall mounting (optional)
LED Display	1x Power
	1x System
	2x LTE signal (Good/Poor)
	3x Ethernet LED for each port (LINK/ACT)
Power Supply	Power Consumption: 7 Watt (Max)
	Power Input: 12/24VDC
Operating Temperature	-30 ~ 70°C
Storage Temperature	-40 ~ 85°C
Operating Humidity	10 ~ 95% (non-condensing)
Warranty	5 Years

Certification

EMC	CE (EN55032, EN55035)
Radio	EN62311
	RED ETSI EN301 489-1
	RED ETSI EN301 489-17
	RED ETSI EN301 489-19
	RED ETSI EN301 489-52
	RED ETSI EN301 511
	RED ETSI EN301 908-1
	RED ETSI EN301 908-2
	RED ETSI EN301 908-13
	RED ETSI EN300 328
	RED ETSI EN303 413

Software Specifications

Network Protocols	IPv4, DHCP server and client, PPPoE, Static IP, NTP, VRRP
Routing/Firewall	NAT, DMZ, MAC Filter, URL Filter, IP Filter, VLAN, Static Routing
VPN	OpenVPN, IPSec, GRE, PPTP, L2TP
WiFi	Multiple SSID
	Security with WEP, WPA, WPA2, WPA-PSK, WPA2-PSK
	Supports WiFi AP mode, Client mode
Others	DDNS, UPnP, GPS TCP Push, MQTT
Management	Web GUI for remote and local management
	Syslog monitor
	Remote management via SSH v2, HTTPS
	Local management via Telnet, SSH v2, HTTP/HTTPS

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Product specifications and design subject to change without notice. Visit our website for the most up-to-date product information.   11-6

Dimensions

Side View   Front View   Left View   Rear View   DIN-Rail Kit View   Wall-Mount Kit View (Optional Accessory)

Ordering Information

Model Name	Managed	WAN		LAN			Certification	
		Cellular Mobile Band	10/100 Base-TX	WiFi IEEE 802.11 b/g/n	10/100 Base-TX	DI/DO	CE	RED
ICR-W402-EUX	V	see Region code table-EUX	1	1	2	1	V	V
ICR-W402-AUX	V	see Region code table-AUX	1	1	2	1	V	V

Region Code Table

Region Code	4G LTE		3G	2G	Region
	FDD LTE	TDD LTE	WCDMA	GSM / EDGE	
EUX	B1(2100), B3(1800), B28A(700), B7(2600), B8(900), B20(800)	B38(2600), B40(2300), B41(2500)	B1(2100), B8(900)	B3(1800), B8(900)	Europe, Africa, Middle East, Korea,Thailand, India
AUX	B1(2100), B2(1900), B3(1800), B4(1700), B5(850), B7(2600), B8(900), B28(700)	B40(2300)	B1(2100), B2(1900), B5(850), B8(900), B4(1700)	B2(1900), B3(1800), B5(850), B8(900)	ANZ, South America, Taiwan

Optional Accessories

■ Antenna Accessories

ANT-BASE-01   Antennas Base with Magnetic, SMA (Male) connector, 1.5meter for 4G LTE extension

ANT-BASE-01

■ Industrial Power Supply

MDR-20-24   Industrial Power, Input 85 ~ 264VAC/120 ~ 370VDC, Output 24VDC, 20W, -20 ~ +70℃