ICR-GW404

4G LTE, GPS, IEEE802.11 b/g/n/ac 2T2R, 2x SIM, 4x GbE, DI/DO, RS232/485

▲ **Multi-band connectivity with FDD 4G LTE/TDD, 3G WCDMA, 2G GSM**
▲ **Concurrent dual band WiFi 802.11n 2T2R (2.4GHz), and 802.11ac 2T2R (5GHz)**
▲ **4G LTE and Ethernet WAN failover redundancy**
▲ **NAT/Port Forward/Routing are compatible with existing IP networks**
▲ **Various VPN protocols, Firewall and Authentication to enhance access security**
▲ **CE, RED certified**

This high-performance industrial grade 4G LTE router, ICR-GW404, combines IEEE 802.11b/g/n/ac WLAN and 4G LTE cellular technologies to provide flexible wireless network connectivity. With 4 Ethernet ports and dual SIM cards for failover redundancy to ensure uninterrupted connectivity, ICR-GW404 supports secure VPN communications, GPS, static and dynamic IP routing of RIP1/2 and OSPF, NAT, port forwarding, Firewall, built-in DI/DO and Serial port services. It is an ideal solution for Industrial Internet of Things (IIoT) and M2M (Machine-to-Machine) applications, such as remote control and monitoring, fleet management, bus ticketing collection systems, CCTV, SCADA, digital signage, KIOSK and intelligent traffic systems.

Features

▪ Highly reliable and secure for mission-critical cellular communications
▪ Compact and lightweight design with 3 LAN and 1 LAN/WAN Ethernet interfaces
▪ Supports multi-band connectivity with FDD LTE/ TDD LTE/ WCDMA/ GSM/ LTE Cat 4
▪ Provides IEEE 802.11b/g/n/ac 2T2R Wireless LAN
▪ Provides Dual SIM connector and DI/DO interfaces
▪ 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 802.3ab	1000Base-T Gbit Ethernet over twisted pair
	IEEE 802.1Q	Virtual LANs (VLAN)
	IEEE 802.3x	Flow control for Full Duplex
	IEEE 802.1p	LAN Layer 2 QoS for Traffic Prioritization
	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/ac WiFi Standards	
	Support AP, Client and bridge mode	

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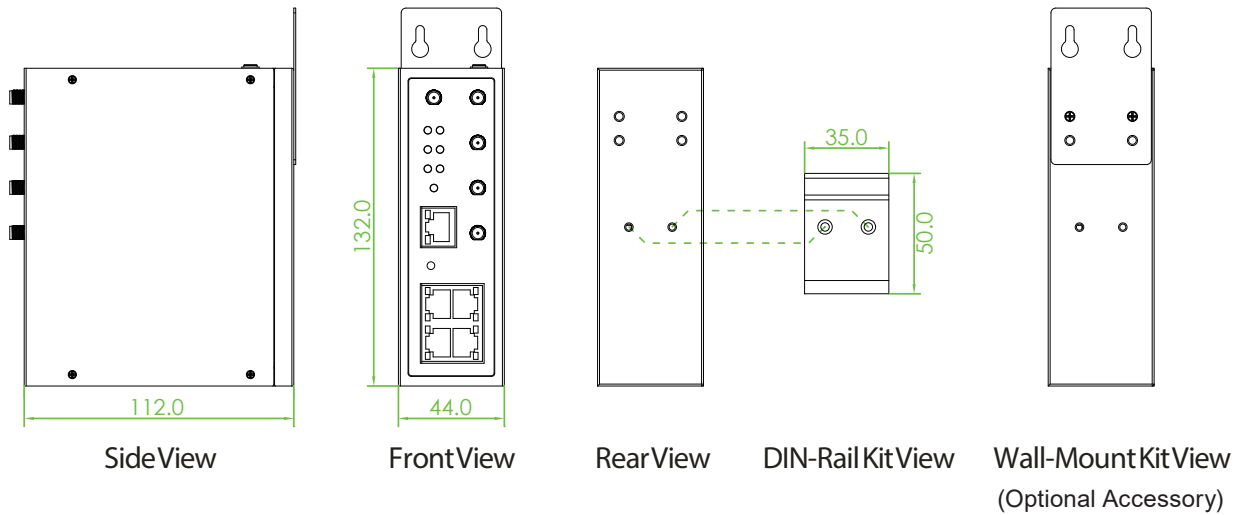| Hardware Interface	2x SIM slots
	3x LAN GbE Ethernet port
	1x LAN/WAN configurable GbE Ethernet port
	Reset Button for device reset
	1x RS232 (TXD/RXD/GND)
	2x DI (Non-Isolated), 1x DO (Non-Isolated)
	2x SMA connectors for detachable LTE Antenna
	2x RP-SMA for WiFi Antenna
	1x SMA for GPS detachable Antenna
Housing	Rugged metal, Fanless, IP30 protection
Dimensions	132 x 112 x 44mm (D x W x H)
Weight	400g
Installation	DIN Rail mounting, or wall mounting (optional)
LED Display	1x Power (Green)
	1x WLAN (Green)
	3x LTE signal (Strong/Good/Weak)
	1x ERR LED (RED)
	4x Ethernet LED for each port (LINK/ACT)
Power Supply	Power Consumption: 7 Watt (Max)
	Power Input: 12/24VDC (9~36VDC)
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, IPv6, IPv4/IPv6 dual stack, DHCP server and client, PPPoE, Static IP, SNTP, GPS sync time, DNS Proxy, VRRP, OSPF, Message Queue Telemetry Transport (MQTT Broker), BGP
Routing/Firewall	NAT, Virtual Server, DMZ, MAC Filter, URL Filter, IP Filter, VLAN, Static Routing, RIP 1, RIP 2, IPS, Policy Route
VPN	OpenVPN, IPSec (3DES, AES128, AES196, AES256, MD5, SHA-1, SHA256), GRE, PPTP, L2TP
WiFi	Security with WPA2-PSK (AES)
	Multiple SSID
	Wireless Mac Filtering
	Wireless client isolation
	Wireless Connectivity: WAN WiFi Client
Others	DDNS, QoS, UPnP, SMS action, GPS track Drawing, GPS TCP Push
Alarm	DI, DO, SMS, VPN/WAN Disconnect, SNMP Trap, Email, TR069
Management	Web GUI for remote and local management, CLI
	Syslog monitor
	SNMP, TR069
	Remote management via SSH v2, HTTPS
	Local management via Telnet, SSH v2, HTTP/HTTPS

Dimensions

SideView	FrontView	RearView	DIN-Rail Kit View	Wall-Mount Kit View (Optional Accessory)

132.0 · 112.0 · 44.0 · 35.0 · 50.0

Ordering Information

Model Name	Managed	WAN			LAN			Certification	
		Cellular Mobile Band	10/100/1000 Base-T	WiFi IEEE 802.11 b/g/n/ac	10/100/1000 Base-T	DI/DO	CE	RED	
ICR-GW404-EUX	V	see Region code table-EUX	1	1	3	2/1	V	V
ICR-GW404-AUX	V	see Region code table-AUX	1	1	3	2/1	V	V

Region Code Table

Region Code	4G LTE		3G	2G	Region
	FDD LTE	TDD LTE	WCDMA	GSM / EDGE	
EU	B1(2100), B3(1800), B5(850), B7(2600), B8(900), B20(800)	B38(2600), B40(2300), B41(2500)	B1(2100), B5(850), B8(900)	B3(1800), B8(900)	Europe, Africa, Middle East, Korea, Thailand, India
A	B2(1900), B4(1700), B12(700)		B2(1900), B4(1700), B5(850)		USA (AT&T, T-Mobile)
TW	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)	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

■ Wall Mount Kit Accessories

IND-WMK03	Wall Mount kit for Industrial product (Compact, 150x 30mm)

■ Industrial Power Supply

MDR-40-48	Industrial Power, Input 85 ~ 264VAC/120 ~ 370VDC, Output 48VDC, 40W, -20 ~ +70°C

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

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