ICR-GW404

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

NEW

- 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

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 (Down load) 50Mbps (up load) 2x SIM slots
WiFi Interface	IEEE 802.11b/g/n/ac WiFi Standards Support AP, Client and bridge mode
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 (D x W x H)	132 x 112 x 44mm
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)

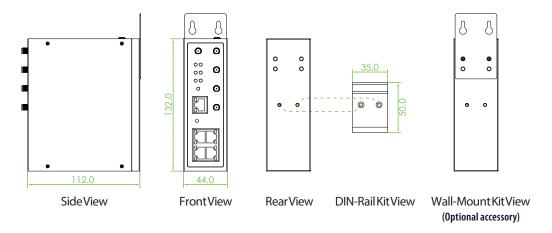|		
Power Supply	Power Consumption	7 Watt(Max)
	Power Input 12/24VDC (9~36VDC)	
Operating Temperature	-30 ~ 70°C	
Storage Temperature	-40 ~ 85°C	
Operating Humidity	10 ~ 95% (non-condensing)	
Warranty	5 Years	
Certification	EMC	CE (EN55032, EN55035)
	Radio	EN62311 RED ETSI EN301 489-1 RED ETSI EN301 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, DHCP server and client, PPPoE, Static IP, NTP, VRRP, OSPF
Routing/Firewall	NAT, DMZ, MAC Filter, URL Filter, IP Filter, VLAN, Static Routing, RIP1/2
VPN	OpenVPN, IPSec, GRE, PPTP, L2TP
WiFi	Multiple SSID Security with WEP, WPA, WPA2, WPA-PSK, WPA2-PSK Supports WiFi AP mode, Client mode, Bridge mode

Others	DDNS, UPnP, SMS action, GPS TCP Push
Management	Web GUI for remote and local management
	Syslog monitor
	Remote management via SSH, HTTPS
	Local management via Telnet, SSH, HTTP/HTTPS

Dimensions

132.0 112.0 44.0 35.0 50.0

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

Ordering Information

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

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4G & WiFi Router ICR-GW404