

NEW



ICR-W403

4G LTE, WiFi ac/b/g/n 2T2R Gateway



The ICR-W403 is a high-performance industrial grade wireless gateway. It combines IEEE 802.11b/g/n/ac WLAN and 4G LTE cellular technologies to provide flexible wireless network connectivity. It is designed to offer flexible connectivity over cellular and Wireless LAN for industrial applications. ICR-W403's Ethernet ports can allow up to 3 Ethernet devices link, and provides dual SIM cards for failover redundancy to ensure uninterrupted connectivity. ICR-W403 has support for 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. In addition, ICR-W403 uses the highest level of industrial grade design for connection in the most demanding environments, and is an ideal solution for Industrial Internet of Things (IIoT) and M2M(Machine-to-Machine)applications, such as remote control and monitoring, bus ticketing collection system, CCTV, SCADA, digital signage, kiosk and intelligent traffic systems.

Features

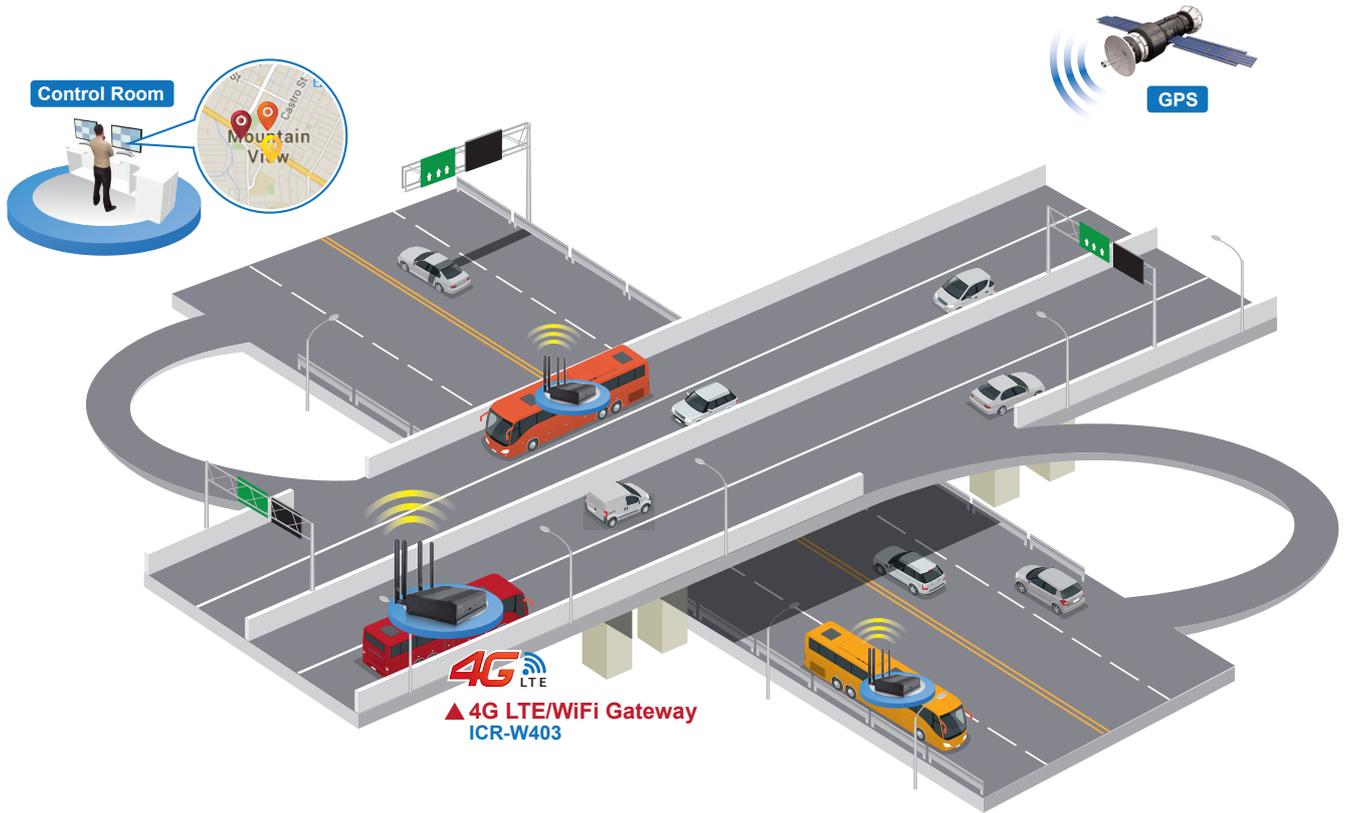
- 4G LTE, GPS, IEEE 802.11b/g/n/ac WiFi, 2x SIM card, 3x GbE RJ45 LAN/WAN + 2x DI + 1x DO, 1x RS232 com port
- Supports multi-band connectivity with FDD 4G LTE/ TDD 4G LTE/ 3G WCDMA/2G GSM
- Supports concurrent dual band WiFi With 802.11n 2T2R (2.4GHz), and 802.11ac 2T2R (5GHz)
- Supports 4G LTE/ WiFi/ UTP port to configure WAN ports for failover redundant
- Supports GPS and GNSS for location tracking
- Built-in NAT/Port Forward/Routing/IPv6 are compatible with existing IP networks
- Builid-in various VPN protocols for security, Firewall & IPS, ACL & Authentication by MAC/User to enhance access security
- IEEE 802.11 a/b/g/n/ac, multiple SSID, captive portal for WiFi hotspot
- Web, CLI ,SNMP, TR069, SMS for management and configuration
- Events triggered by pre-defined, and notification sent by SMS, SNMP trap, or e-mail
- Supports USB for log storage
- EN-60950-1, CE, FCC, Rail Traffic EN50121-4 certified
- Heavy industrial grade EMS, EMI, EN61000-6-2, EN61000-6-4 certified
- Rugged metal, IP30 protection & Fanless design

Specifications

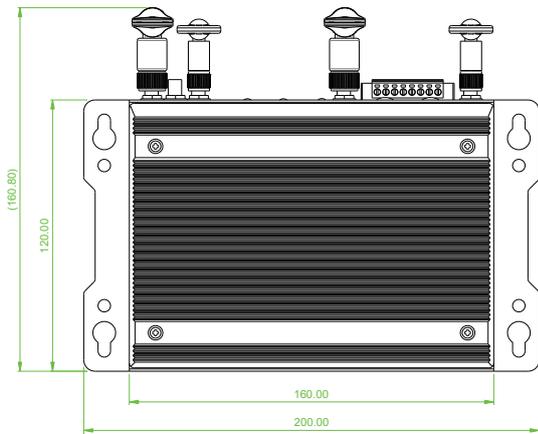
Standard	Cellular MobilComm standard: (Please see order information for optional band) 4G LTE: FDD-LTE, TDD-LTE 3G: WCDMA 2G: GSM/EDGE GNSS: GPS IEEE 802.3 10Base-T 10Mbit/s Ethernet IEEE 802.3u 100Base-TX Fast Ethernet IEEE 802.3ab 1000Base-T Gbit Ethernet over twisted pair IEEE 802.1Q Virtual LANs (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	Connector	2x 2.3dBi LTE Antenna and connector 2x 5dBi WiFi Antenna and connector 1x SMA Female connector for GPS antenna (Antenna optional) 2 SIM card socket 1x USB 2.0 socket 3 RJ45 for GbE LAN/WAN 1x Removable Terminal block (Input power, 1x GN, 2x DI, 1x DO, RS232)
Interface	WAN 1x 3G/4G LTE (Please see order information for detail optional mobil band) Built-in dual SIM card for network redundancy / failover/ roaming over/ back up IEEE 802.11ac (5G Hz) 1x GbE UTP (WAN or LAN configureable) LAN Concurrent WiFi 2.4G/5G with IEEE 802.11ac 2T2R (5GHz), and IEEE 802.11b/g/n 2T2R (2.4GHz) 3x 10/100/1000Base-T UTP port, port 1 could be WAN or LAN configureable COM port 1x RS232 DI/DO 2x DI, 1x DO, 1x IGN (Ignition Sense for Vehicle) GNSS 1x GPS receiver Log Storage 1x USB 2.0	4G LTE data rate Cat 4 , Maxium 150Mbps download, upload 50Mbps Power Supply 12/24 VDC (9~36VDC) Power consumption <14W LED Power (Green), GPS (Green) 2.4G (Green), 5G (Green) SIM 1 (Green), SIM 2 (Green) LTE signal High (Green), LTE signal Low (Green) WAN/LAN LNK/ACT (Green) Alarm message Handling Events triggered by pre-defined, and notification sent by SMS, SNMP trap, or e-mail Operation Temperature -30~ 75°C Housing Rugged Metal, IP30 Protection, Fanless Dimensions (D x W x H) 120 x 200 x 39.5 mm (Dx Wx H) Weight 975g Installation Wall mounting MTBF 394,330 Hours (MIL-HDBK-217) Warranty 5 years	

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4G LTE Gateway
ICR-W403

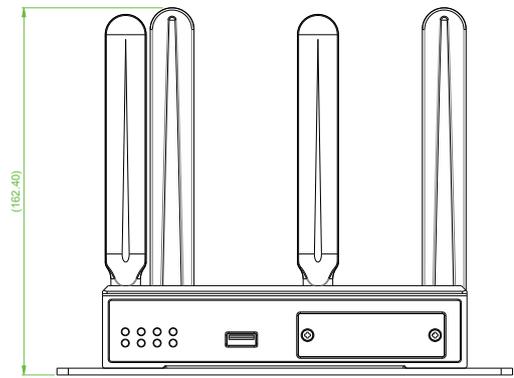
Figure 2 : Application of Vehicle Location Tracking System



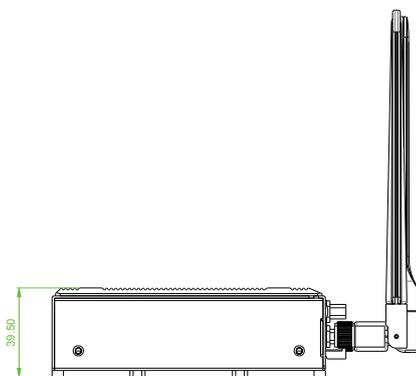
Dimensions



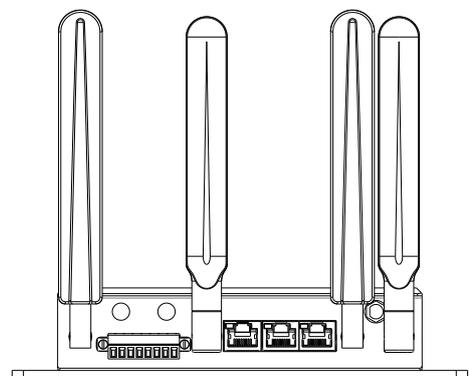
Top View



Front View



Side View

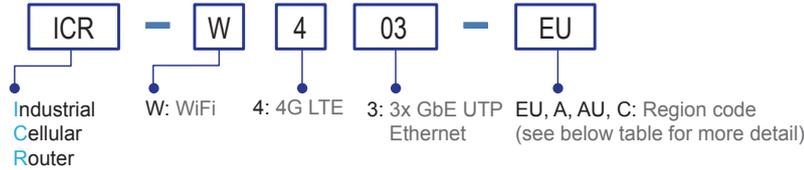


Rear View

Ordering Information

Model Name	WAN		WAN/LAN		Local Port		Certification			
	Cellular Mobil Band (2 Sim for Redundant)	GPS (Ant. Optional)	WiFi	UTP 10/100/1000Base-T	DI, DO	RS232	Safety EN60950-1	RailWay EN50121-4	EN61000-6-2 EN61000-6-4	CE, FCC
ICR-W403-EU	see Region code table EU	1x GNSS	IEEE 802.11ac/b/g/n (LAN) or IEEE 802.11ac (WAN)	2x(LAN) +1x (LAN or WAN)	2xDI, 1xDO	1	V	V	V	V
ICR-W403-A	see Region code table A	1x GNSS	IEEE 802.11ac/b/g/n (LAN) or IEEE 802.11ac (WAN)	2x(LAN) +1x (LAN or WAN)	2xDI, 1xDO	1	V	V	V	V
ICR-W403-AU	see Region code table AU	1x GNSS	IEEE 802.11ac/b/g/n (LAN) or IEEE 802.11ac (WAN)	2x(LAN) +1x (LAN or WAN)	2xDI, 1xDO	1	V	V	V	V
ICR-W403-C	see Region code table C	1x GNSS	IEEE 802.11ac/b/g/n (LAN) or IEEE 802.11ac (WAN)	2x(LAN) +1x (LAN or WAN)	2xDI, 1xDO	1	V	V	V	V

Model Naming Rule



MobilComm region Code Optional

Region Code	4G LTE		3G	2G	GNSS	Region
	FDD LTE	TDD LTE	WCDMA	GSM / EDGE		
EU	B1(2100), B3(1800), B7(2600), B8(900), B20(800)		B1(2100), B8(900)	B3(1800), B8(900)	Yes	Europe, Africa, Middle East, Korea, Thailand, India
A	B2(1900), B4(1700), B12(700)		B2(1900), B4(1700), B5(850)		Yes	USA (AT&T, T-Mobile)
AU	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)	Yes	ANZ, South America, Taiwan
C	B1(2100), B3(1800)	B38(2600), B39(1900), B40(2300), B41(2500)	B1(2100), B2(1900), B5(850), B8(900)	B2(1900), B3(1800), B5(850), B8(900)	Yes	China

Optional Accessories

Antenna accessories

ANT-GPS-01	Antennas for GNSS
ANT-BASE-01	Antennas Base with Magnetic, SMA (Male) connector, 1 meter extension