

## ICR-W403

4G LTE, GPS, IEEE 802.11ac/b/g/n 2T2R, 2xSIM, 3x GbE + DI/DO, RS232

**NEW**



- Multi-band connectivity with FDD 4G LTE/ TDD 4G LTE/ 3G WCDMA/2G GSM
- Concurrent dual band WiFi With 802.11n 2T2R (2.4GHz), and 802.11ac 2T2R (5GHz)
- 4G LTE/ WiFi/ UTP to configure WAN port for failover redundant
- GPS and GNSS for location tracking
- NAT/Port Forward/Routing/IPv6 are compatible with existing IP networks
- Various VPN protocols for security, Firewall & IPS, ACL & Authentication by MAC/User to enhance access security



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 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

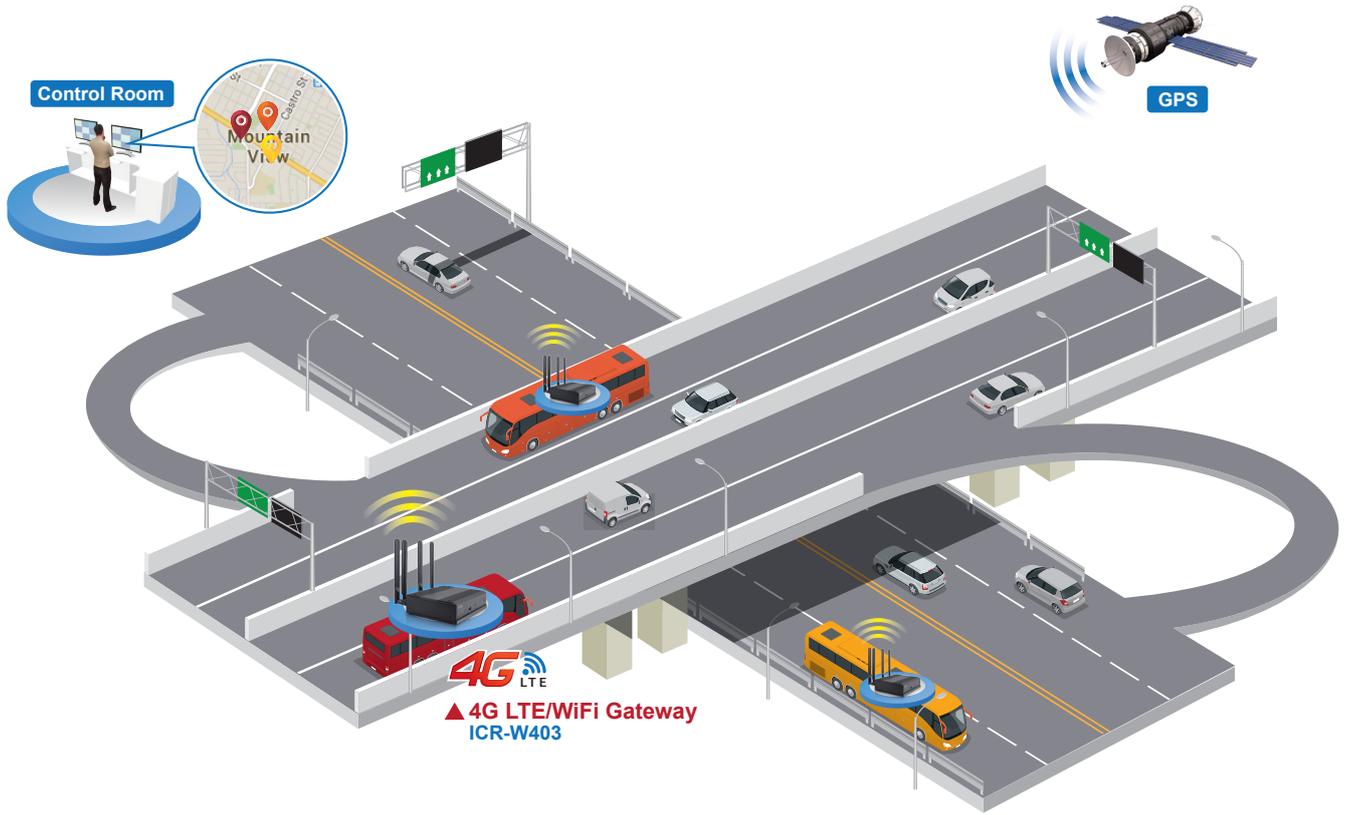
- IEEE 802.11 ac/b/g/n, multiple SSID, captive portal for WiFi hotspot
- Web, CLI ,SNMP, TR069, SMS for management and configuration
- Events triggered by pre-defined, and notification sent by SMS, SNMP trap, or e-mail
- Supports USB for log storage
- EN-60950-1, CE, FCC, Rail Traffic EN50121-4 certified
- Heavy industrial grade EMS, EMI, EN61000-6-2, EN61000-6-4 certified
- Rugged metal, IP30 protection & Fanless design

### Specifications

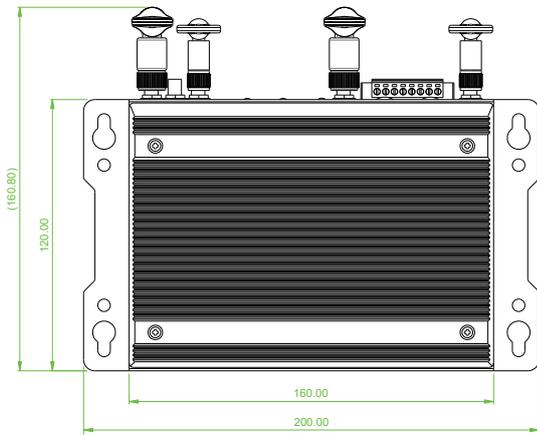
<b>Standard</b>	Cellular MobilComm standard: (Please see order information for optional band) 4G LTE: FDD-LTE, TDD-LTE 3G: WCDMA 2G: GSM/EDGE GNSS: GPS	<b>Connector</b>	2x 2.3dBi LTE Antenna and connector 2x 5dBi WiFi Antenna and connector 1x SMA Female connector for GPS antenna (Antenna optional) 2 SIM card sockets 1x USB 2.0 socket 3 RJ45 for GbE LAN/WAN 1x Removable Terminal block (Input power, 1x GN, 2x DI, 1x DO, RS232)
	IEEE 802.3 10Base-T 10Mbit/s Ethernet	<b>4G LTE data rate</b>	Cat 4, Maxium 150Mbps download, upload 50Mbps
	IEEE 802.3u 100Base-TX Fast Ethernet	<b>Power Supply</b>	12/24 VDC (9~36VDC)
	IEEE 802.3ab 1000Base-T Gbit Ethernet over twisted pair	<b>Power consumption</b>	<14W
	IEEE 802.1Q Virtual LANs (VLAN)	<b>LED</b>	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)
	IEEE 802.3x Flow control for Full Duplex	<b>Alarm message Handling</b>	Events triggered by pre-defined, and notification sent by SMS, SNMP trap, or e-mail
	IEEE 802.1p LAN Layer 2 QoS for Traffic Prioritization	<b>Operation Temperature</b>	-30~ 75°C
	IEEE 802.1X Port based and MAC based Network Access Control, Authentication	<b>Operating Humidity</b>	5% to 95% (Non-condensing)
<b>WiFi Standard</b>	IEEE802.11ac, IEEE802.11b, IEEE802.11g, IEEE802.11n	<b>Storage Temperature</b>	-40 ~ 85°C
<b>Interface</b>	WAN 1x 3G/4G LTE (Please see order information for detail optional mobil band) Built-in dual SIM card slots for network redundancy / failover/ roaming over/ back up IEEE 802.11ac (5G Hz) 1x GbE UTP (WAN or LAN configurable)	<b>Housing</b>	Rugged Metal, IP30 Protection, Fanless
	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 configurable	<b>Dimensions (D x W x H)</b>	120 x 200 x 39.5 mm (Dx Wx H)
	COM port 1x RS232	<b>Weight</b>	975g
	DI/DO 2x DI, 1x DO, 1x IGN (Ignition Sense for Vehicle)	<b>Installation</b>	Wall mounting
	GNSS 1x GPS receiver	<b>MTBF</b>	394,330 Hours (MIL-HDBK-217)
	Log Storage 1x USB 2.0	<b>Warranty</b>	5 years



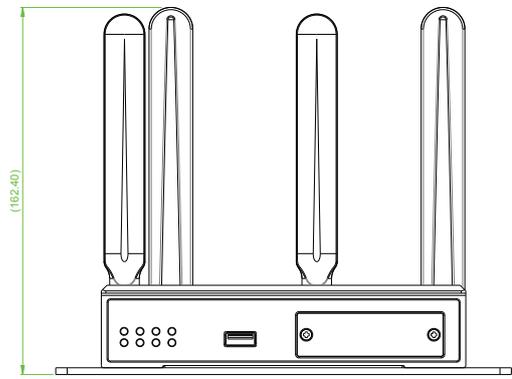
Figure 2 : Application of Vehicle Location Tracking System



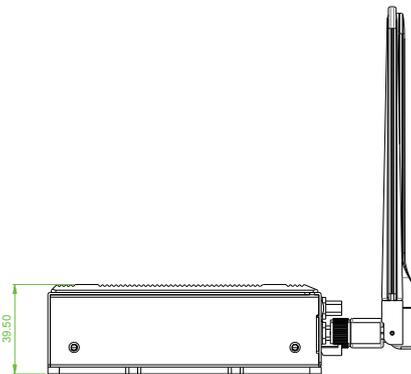
Dimensions



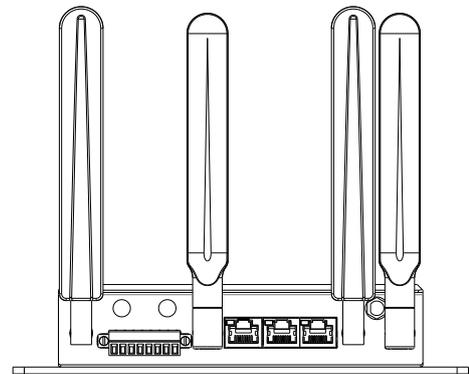
Top View



Front View



Side View

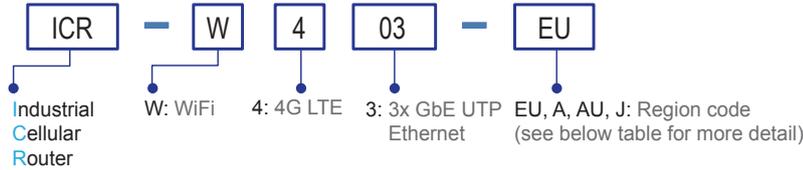


Rear View

## 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-J	see Region code table J	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 Options

Region Code	4G LTE		3G	2G	GNSS	Region
	FDD LTE	TDD LTE	WCDMA	GSM / EDGE		
<b>EU</b>	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
<b>A</b>	B2(1900), B4(1700), B12(700)		B2(1900), B4(1700), B5(850)		Yes	USA (AT&T, T-Mobile)
<b>AU</b>	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
<b>J</b>	B1(2100), B3(1800), B8(900), B18(850), B19(850), B26(850)	B41(2500)	B1(2100), B6(850), B8(900), B19(850)		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