

XC400 Industrial IoT LTE Router

Industrial Cellular Connectivity with I/O and MQTT Support



Intuicom's XC400™ is a feature-rich industrial router that delivers LTE connectivity demanded in mission critical applications. Designed to provide the crucial link to your remote devices and provide Industrial Internet of Things (IIoT) connectivity, the XC400 provides secure, robust communications across a broad variety of equipment and applications.

In today's industrial world, the secure connectivity of your networks and devices has never been so important. The XC400 LTE router supports advanced security including Firewall, VPN, MAC filtering, and more to deliver secure, fast, reliable, and simple ways to enable devices for remote monitor and control of industrial plant/equipment and automation applications

Today's industrial environments call for more connectivity options than just an Ethernet port. Supporting a variety of interfaces that include dual Ethernet, RS232 and RS485 serial and discrete I/O, the XC400 is a robust industrial grade solution for your connectivity needs. Additional functionality is available through our library of applications that can be securely incorporated to expand functionality. Protocol translations, DNP3, Modbus RTU-ASCII-TCP with Sparkplug B and more are available on-board, simplifying overall deployment.

Features

- Cellular 3G/4GLTE CAT4 router
- Compact industrial enclosure, IP30, with DIN rail mount for easy integration
- Dual SIM card support with Failover
- 2 Ethernet, RS-232/RS-485 serial, 2 digital inputs and 2 digital outputs
- IPSEC, OpenVPN Client & Server, L2TP, GRE supported
- Modbus RTU-ASCII-TCP, MQTT and Sparkplug B support
- Support multiple VPN tunnels, Port Forward and DMZ
- 2 x Internal serial server
- Industrial input power range of 9 to 48 VDC
- SMS notification and control
- WAN/LAN Fallback for redundant networks
- 2 x 10/100M LAN/WAN ports
- Enhanced security

Applications

- Traffic Control & ITS
- Industrial Automation
- Factory Automation
- Security/Surveillance
- Oil & Gas Production
- Utilities
- Water/Wastewater
- Energy Development & Management

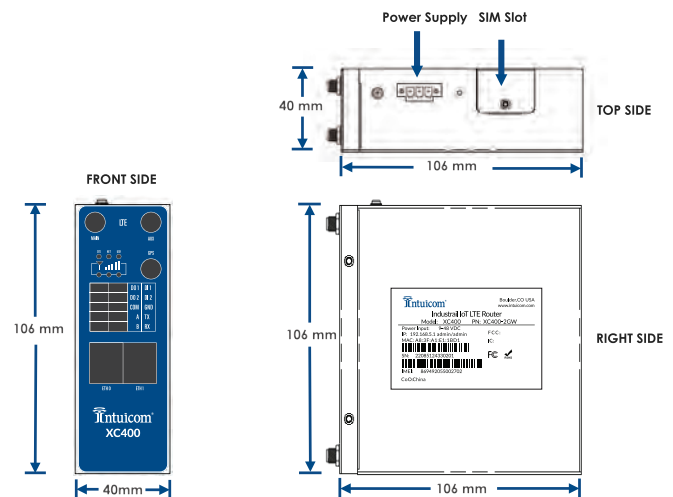
Technical Data: XC400

SPECIFICATIONS

Specification	Description
Cellular	
Frequency 4G LTE (FDD)	1900(B2), AWS(B4), 850(B5), 700(B12), 700(B13), 700(B14), 1700(B66), 600(B71)
Frequency 3G (WCDMA)	1900(B2), AWS(B4), 850(B5)
Data Rate-Peak D/L	CAT4, 150 Mbps
Data Rate-Peak U/L	CAT4, 50 Mbps
Approvals* - Regulatory	FCC, IC
Approvals* - Carrier	Verizon, PTCRB (ATT, T-Mobile, Telus, and more)
SIM	2 x SIM slots, 1.8V / 3V (standard size) Failover/Auto-switch: data, no network, connect fail
GNSS (Optional)	
Networks	GPS, GLONASS, Galileo, BDS, QZSS
Interfaces	
Ethernet	RJ45 (2), 1 x WAN, 1 x LAN, or 2 x LAN; Auto 10/100Mbps
RS-232	2-wire interface (TX and RX) Terminal Block (300-115200bps)
RS-485	2-wire interface (TX and RX) Terminal Block (300-115200 bps)
Discrete Input/Output	2-Digital Inputs, 2-Digital Outputs Max Voltage 36 VDC Isolation 3kVDC or 2KVrms
LEDs	SYS, NET, USR, RSSI x 3
Reset Button	Reset/Restore to Factory Defaults
Antennas	
Cellular	2 x SMA Female, Diversity switched Main/AUX
GNSS (Optional)	1 x SMA Female (50 Ohm Impedence)
Hardware	
Size	4.2" x 4.2" x 1.6" (106mm x 106mm x 40mm)
Housing	IP30 rated, powder coated metal
Mounting	Din Rail
Operating Temperature	-40 to +158 °F (-40 to +75 °C)
Operating Humidity	5-95% non-condensing
Weight	0.8 lbs. (375 g)

Specification	Description
Power	
Nominal Supply	9-48 VDC (under/over voltage protection)
Idle Current draw	150 mA @ 12 VDC
TX Current draw	450 mA Peak @ 12 VDC
Power Connection	Terminal Block (locking)
Protocols And Configuration	
User Configuration	Webpage
Configurable Parameters	Network connection, tunnelling protocol, security, gateway protocols, LAN configuration
Network Protocols	TCP, UDP, IPv4, ICMP, NTP, DNS, HTTP, HTTPS, ARP, PPPoE, DHCP, IP Passthrough, VRRP
Industrial Protocols	Modbus RTU-ASCII-TCP, MQTT SparkplugB
Firewall	Flexible access control of TCP, UDP, ICMP packets, MAC address filter
VPN	OpenVPN: client/server up to 5 connections GRE: Layer2/3, up to 5 GRE tunnels IPsec: IKEv1, IKEv2, up to 5 IPsec tunnels
Applications	Additional applications available (max of 5): Modbus to DNP3; IEC101 to IEC104; DLMS to IEC104; email notification, SNMP, L2TP, dynamic routing, and many more. Please contact Intuicom for details
SMS	SMS Configuration, SMS Gateway, SMS Notification on input/outputs or events

Dimensions:



SPECIFICATIONS SUBJECT TO CHANGE

*All approvals are either granted or in progress. Contact us for the latest approval status.