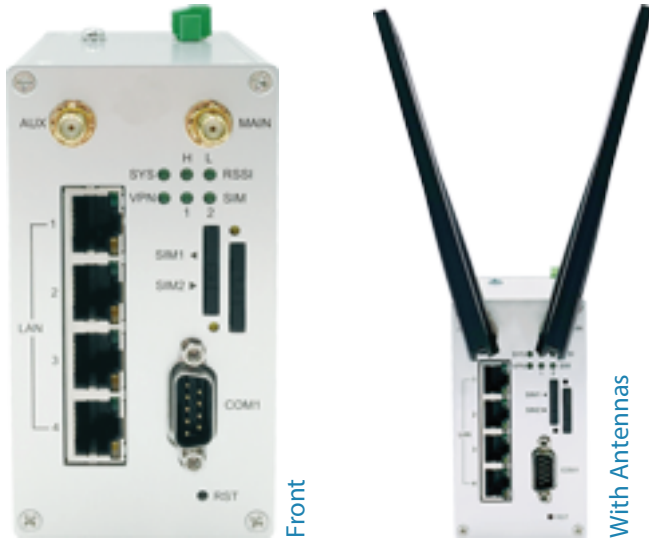


VX-FL-302L

4-Port Industrial 4G LTE Cellular Router



Product Description

Versa Technology's VX-FL-302L is an industrial-grade 4G LTE Cellular Router with 4-port 10/100 Mbps Ethernet interfaces for mission-critical cellular communication. Featured with powerful network protocols and VPN tunnels, Versa's VX-FL-302L Industrial 4G LTE Cellular Router provides secure and reliable applications for mobile, M2M (Machine-to-Machine), and Industrial Internet of Things (IIoT) deployments.

Enterprise-Grade Software Features

To fulfill the market demand, Versa's VX-FL-302L 4G LTE Cellular Router is built with hardened industrial components, approving severe HALT (Highly Accelerated Life Test) certification and wide operation range from -20 to 70°C for harsh environments. With the user-friendly interface, the VX-FL-302L enables fast and easy configuration to reduce complicated settings.

Features:

- Provide 4-port 10/100 Mbps Ethernet interfaces
- Support multi-band connectivity with FDD LTE/ TDD LTE/ WCDMA/ GSM/ LTE Cat4
- Built-in dual SIM for network redundancy
- Integrated dual detachable antenna against radio interference
- LED indicators for connection and data transmission status
- Industrial rated from -20 to +70°C for use in harsh environments
- Metal housing with IP40 industrial grade protection
- IPv6/IPv4 dual stack and all applications are IPv6 ready
- Enable powerful network protocols with MQTT and SNMP
- Enhance security and encryption for authentication and transmission
- Web-based user-friendly interface for management and configuration

Specifications

<p>LTE Band/Frequency</p>	<ul style="list-style-type: none"> • FDD LTE: B1/B3/B5/B7/B8/B20 • TDD LTE: B38/B40/B41 • WCDMA: B1/B5/B8 • GSM: 900/1800 MHz • LTE Cat4
<p>Antenna Connector</p>	<ul style="list-style-type: none"> • 2 x SMA (MAIN + AUX)
<p>Processor & I/O Interface</p>	<ul style="list-style-type: none"> • High performance 528 MHz CPU with 512 Mbytes of DDR3 memory • 2 x SIM Card Slots • 4 x LAN 10/100 Mbps Ethernet port • Reset Button • Console: 1 x RS232 (9-pin Sub-D) • 2 x SMA connectors for detachable LTE antenna
<p>Physical Characteristics</p>	<ul style="list-style-type: none"> • Enclosure: Metal Shell • Housing: IP40 Protection • Dimensions (W x H x D): 60 x 110 x 106 mm • Weight: 391 g • Installation: DIN Rail (Default) or Wall Mount (Optional)
<p>LED Display</p>	<ul style="list-style-type: none"> • 1 x System status LED (Green) • 1 x VPN status LED (Green) • 1 x SIM1 status LED (Green) • 1 x SIM2 status LED (Green) • Ethernet status LEDs (Green for LINK/ACT, Yellow for SPEED) • 2 x Mobile connection strength LEDs (Green)
<p>Power Supply</p>	<ul style="list-style-type: none"> • Power Consumption: 7 Watts (Max) • Power Input: 10 ~ 32V DC
<p>MTBF</p>	<ul style="list-style-type: none"> • 148,930 hrs (MIL-HDBK-217-FN2)
<p>Network Protocols</p>	<ul style="list-style-type: none"> • IPv4, IPv6, IPv4/IPv6 dual stack, DHCP server and client, PPPoE, Static IP, SNTP, GPS sync time, DNS Proxy, Modbus, VRRP, OSPF, Message Queue Telemetry Transport (MQTT Broker), BGP

<h2>Routing/Firewall</h2>	<ul style="list-style-type: none"> • NAT, Virtual Server, DMZ, MAC Filter, URL Filter, IP Filter, VLAN, Static Routing and RIP-1/2
<h2>VPN Security</h2>	<ul style="list-style-type: none"> • OpenVPN • IPSec (3DES, AES128, AES196, AES256, MD5, SHA-1, SHA256) • GRE • PPTP • L2TP
<h2>Wireless Connectivity</h2>	<ul style="list-style-type: none"> • Two SIM for failover/ roaming over/ back up • Two SIM data usage control • Seamless multi WAN connections switch
<h2>Alarms/Other</h2>	<ul style="list-style-type: none"> • SMS, VPN/WAN Disconnect, SNMP Trap, E-mail • DDNS, QoS, UPnP
<h2>Management</h2>	<ul style="list-style-type: none"> • Web GUI for remote and local management, CLI • Dual Image firmware upgrade by Web GUI • Syslog monitor • SNMP, TR069 • Remote management via SSH v2, HTTPS • Local management via Telnet, SSH v2, HTTP/HTTPS
<h2>Environment</h2>	<ul style="list-style-type: none"> • Operating Temperature: -20 ~ +70°C • Storage Temperature: -40 ~ +85°C • Ambient Relative Humidity: 10 ~ 95% (non-condensing) • Humidity: 0 ~ 95% (non-condensing)
<h2>Standards & Certifications</h2>	<ul style="list-style-type: none"> • EMC: CE, FCC • EMI: EN 55032 Class A, FCC Part 15 Subpart B Class A • EMS: EN 55024, EN 61000-4-2 (ESD) Level 3, EN 61000-4-3 (RS) Level 3, EN 61000-4-4 (EFT) Level 4, EN 61000-4-5 (Surge) Level 3, EN 61000-4-6 (CS) Level 3, EN 61000-4-8 (PFMF) Level 4, EN 61000-4-11, EN 61000-6-2 (Industrial), EN 61000-6-4 (Industrial) • Rail Traffic: EN50121-4 • Vibration: IEC60068-2-6 • Safety: EN60950-1 • Highly Accelerated Life Test (HALT)

Dimensions

