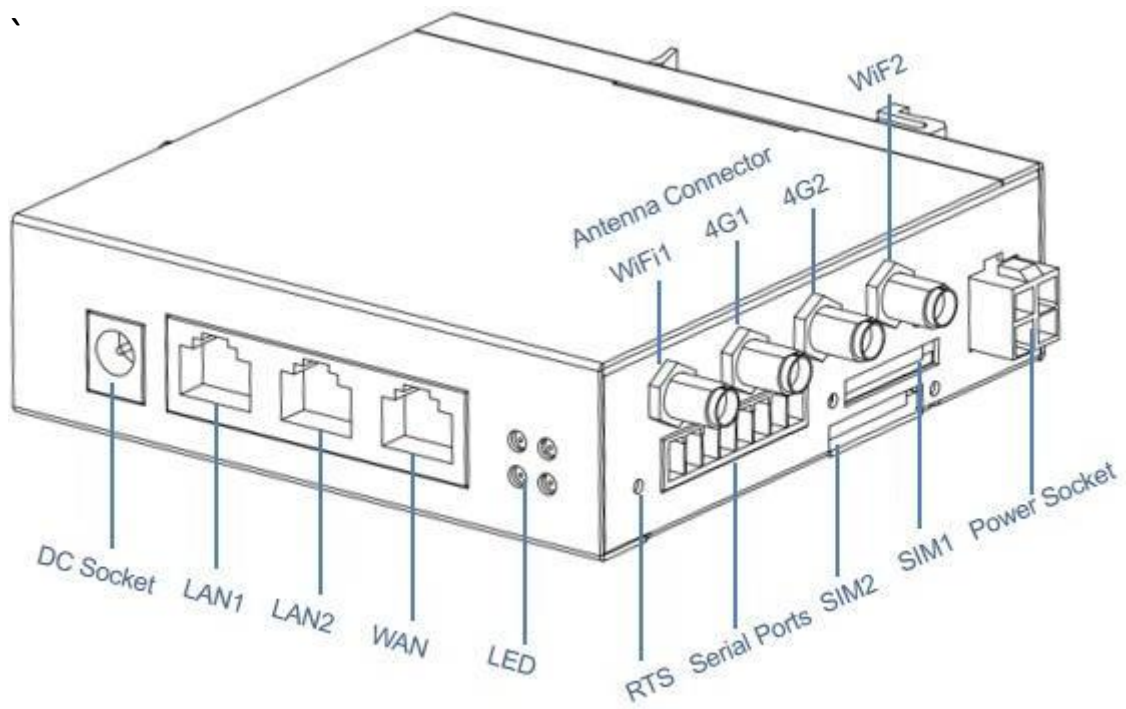


## X-019 Series

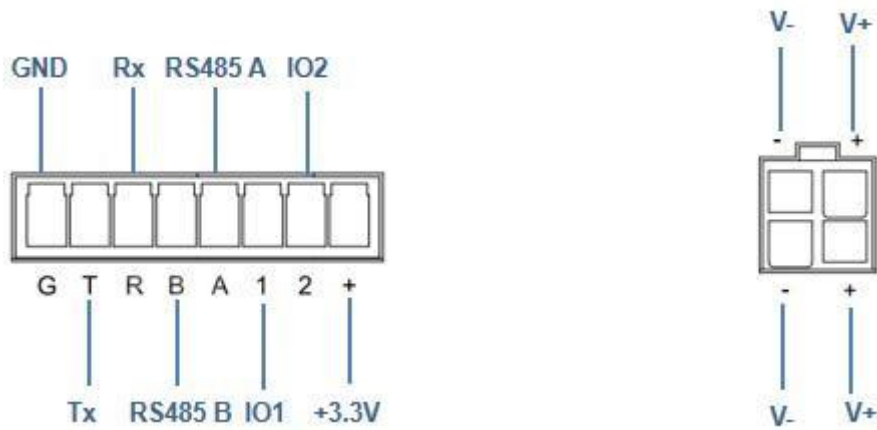
X-019 is equipped with a high-performance industrial communication processor and 3x100Mbps Ethernet ports, enabling X-019 to provide users with stable connection and high data throughput. Simultaneous 802.11n WiFi (300Mbps) is an option for applications in which hotspot functionality is required. With a dual SIM function, the X-019 series router could backup the network between the two SIM cards to ensure continual connection. The X-019 with Ethernet capability, also come with two serial ports and 2 I/O ports. With optional GPS capability, enable the router ideal for fleet tracking or access management.



## Interface View



## Terminal Block View



Hardware			
Cellular	<ul style="list-style-type: none"> <li>● LTE</li> </ul> LTE FDD: Max 150Mbps (DL) Max 50Mbps (UL) LTE TDD: Max 130Mbps (DL) Max 35Mbps (UL)	Hardware System	<ul style="list-style-type: none"> <li>● MIPS 580MHz CPU</li> <li>● 64Mb Flash, 512Mb DDR2 RAM</li> <li>● Hardware Watchdog</li> </ul>
Interface	<ul style="list-style-type: none"> <li>● HSPA/UMTS</li> <li>● EDGE/GPRS</li> <li>● 3x 10/100M Ethernet (3x LAN, 2X LAN/1x WAN Configurable)</li> <li>● 2x SIM Slot</li> <li>● 8Pins Terminal block connector 1x DC Power Socket 1x DC(4Pins plugs) 1x TTL(RS232 Optional) 1x RS485</li> <li>● 2x SMA-K(Female) 4G Antenna Interface</li> <li>● 2x SMA-RP Wi-Fi Interface</li> </ul>	GPS(Optional)	<ul style="list-style-type: none"> <li>● GPS Sensitivity: -160dBm</li> <li>● GPS Accuracy: 2.5m CEP</li> <li>● Update Rate: 1Hz@5Hz</li> <li>● Time to First Fix: Cold Status 27s, Hot status 1s.</li> <li>● Protocol: NMEA-0183 2.3V</li> </ul>
LED Indicator	<ul style="list-style-type: none"> <li>● Power</li> <li>● System</li> <li>● Signal</li> <li>● Status</li> </ul>	Wi-Fi	<ul style="list-style-type: none"> <li>● IEEE 802.11 b/g/n</li> <li>● Output Power 11n HT40 MCS7: 15dBm 11b CCK: 18dBm 11g OFDM: 15dBm</li> <li>● Sensitivity 300Mbps: -65dBm 54Mbps: -73dBm 11Mbps: -86dBm</li> </ul>
Consumption	<ul style="list-style-type: none"> <li>● Voltage: DC +7.5~48V (standard 12V/1.5A power adapter)</li> <li>● SIM/R-UIM Card: 3V</li> <li>● Idle: 165mA@+12VDC</li> <li>● Online (Without Wi-Fi): 195mA@+12VDC (with Wi-Fi) 235mA@+12VDC</li> </ul>	Other	<ul style="list-style-type: none"> <li>● Dimension: 98mm x 98mm x 28mm (not including antenna)</li> <li>● Weight: 260g (not including accessories)</li> <li>● Operation temperature: -30~+75°C</li> <li>● Store temperature: -40~+85°C</li> <li>● Related humidity: 0~95% (non-condensing)</li> </ul>

Software			
Operating System	<ul style="list-style-type: none"> <li>● Linux</li> </ul>	Firewall	<ul style="list-style-type: none"> <li>● IP Filter</li> <li>● Mac Filter</li> <li>● Key Word Filter</li> <li>● Domain Name Filter</li> </ul>
Network Protocol	<ul style="list-style-type: none"> <li>● PPPoE</li> <li>● UDP/TCP/ICMP/NTP/DHCP</li> <li>● Modbus TCP</li> <li>● HTTP/HTTPS</li> <li>● UPNP</li> <li>● SNMP</li> <li>● DDNS</li> </ul>	Network Monitoring	<ul style="list-style-type: none"> <li>● Real-time network Traffic Graph</li> <li>● Terminal Bandwidth Graph</li> <li>● Terminal Traffic Limit</li> </ul>

VPN	<ul style="list-style-type: none"> <li>● PPTP/L2TP</li> <li>● GRE</li> <li>● IPSec</li> <li>● OpenVPN</li> </ul>	Network Features	<ul style="list-style-type: none"> <li>● Dual-SIM backup</li> <li>● 4G/WAN Failover</li> <li>● Bandwidth Management</li> <li>● NAT/DMZ</li> <li>● IGMP Proxy</li> <li>● Static/Dynamic Routing</li> <li>● Source Address/Port Routing</li> </ul>
Router Management	<ul style="list-style-type: none"> <li>● Local/Remote GUI</li> <li>● Telnet/SSH</li> </ul>	WLAN	<ul style="list-style-type: none"> <li>● Wi-Fi Hotspot</li> <li>● Wi-Fi Client</li> </ul>