# 5G Intelligent Gateway

XT-G100

INTRODUCTION

The XT-G100 is a 5G IoT wireless intelligent gateway that provides users with wireless long-distance big data transmission using a 3G/4G/5G network. The product uses a high-performance industrial-grade 32-bit communication processor and industrial-grade wireless modules, with an embedded real-time operating system as a software platform, and provides 1 RS232, 5 RS485, 4 Ethernet LANs, and 1 WAN interfaces and support multiple industrial protocols interoperability.
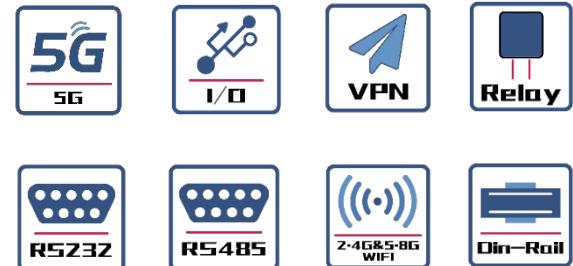
KEY FEATURES

Industrial-grade Design

- High-performance industrial grade 5G wireless module
- High-performance industrial-grade 32-bit communication processor
- Using metal shell, protection grade IP30. Metal housing and system are safely isolated, especially suitable for industrial control field applications
- Wide power input range 9~36V

Stability & Reliability

- WDT Watchdog design
- A complete Anti-dropping mechanism to ensure the data terminal is always online
- Built-in 1.5KV electromagnetic isolation protection for Ethernet interface
- RS232/RS485 interface, power and data isolation with CSA, UL and IEC standards
- SIM/UIM card interface built-in 15KV ESD protection
- Built-in reverse phase protection and over voltage protection for power interface
- Antenna interface lightning protection (Optional)

KEY FEATURES

Standard & Convenience

- Standard RS232, RS485, Ethernet and WIFI interfaces
- Standard wired WAN port (Support standard PPPOE protocol)
- Configuration and maintenance interface supports local and remote WEB mode or CLI mode
- Multiple working mode options including gateway, bridge and router
- Support DIN rail
- Plug and Play

High Performance

- Multiple WAN connection methods, include Static IP/DHCP/PPPOE/DHCP-4G/5G
- Support 3G/4G/5G and wired WAN dual link backup
- Support VPN Server and Client: PPTP/L2TP/IPSEC
- Remote management SYSLOG/SNMP/TELNET/SSH/HTTPS
- Support local upgrade and remote upgrade, import and export configuration files
- Support NTP / Build-in RTC
- Support a variety of DDNS
- Support VLAN，MAC address clone and PPPoE server
- WIFI Support 802.11b/g/n/ac. Support AP/AP Client/Bridge mode
- WIFI Support WEP, WPA, WPA2 and other encryption methods
- Support private APN SIM card, and APN/VPDN
- Support DHCP server/DHCP client/DHCP binding MAC/DDNS/NAT/DMZ/QOS, traffic statistics, real-time display of data transmission rate
- Support TCP/IP/UDP/FTP/HTTP and other network protocols
- Support multiple industrial protocols like EtherNetIP, ModBus, MITSUBISHI MC, MELSEC, SLMP, S7comm, MPI, S7PPI, IEC101/104, DNP3.0, and so on
- Support SPI firewall, VPN pass through, ACL, URL filter

CELLULAR BANDS

NR: n1/ 2/ 3/ 5/ 7/ 8/ 12/ 13/14/ 18/ 20/ 25/ 26/ 28/ 29/ 30/ 38/ 40/ 41/48/ 66/ 70/ 71/ 75/ 76/ 77/ 78/ 79

LTE: B1/ 2/ 3/ 4/ 5/ 7/ 8/ 12/ 13/ 14/ 17/ 18/ 19/ 20/ 25/ 26/ 28/ 29/ 30/ 32/ B34/ 38/ 39/ 40/ 41/ 42/ 43/ 48/66/ 71, B46(LAA)

WCDMA: B1/ 2/ 4/ 5/ 8/ 19