



TRITOM

GX500c 5G USB 3.0 Modem Plug and Play with Compact and Rugged Design for Ultimate IoT-Connectivity

Fully compatible with

- 3GPP R15 Sub 6
- 5G LTE SA & NSA

Rich interface support

- USB 3.1
- SIM & eUICC

Qualcomm 2nd Generation

- SDX55 5G modem

Breakthrough wireless performance

- Accelerates global 5G rollout



The GX500c IoT Modem is an industrial-grade, compactly designed modem that allows users to connect to the Internet from any location or base of operation. With super-fast downlink and uplink data rates, as well as low latency, it provides companies, corporations, and organizations with a responsive, high-performance connection to conduct essential online business and communications.



Robust Connectivity

- USB connector works with Windows, Linux, and Mac OS-based computers, notebooks, or any embedded devices with USB 3.0 ports.
- SIM slot facilitates Internet accessibility utilizing any mobile-service SIM.
- Integrated Fakra antenna connector maintains stability of the 5G-network cable even when moving between locations.

Mobile Connections

- 5G NR LTE-A / LTE FDD-TDD / HSPA+ / WCDMA support for the 5G NR in mobile-network technology.
- LTE FDD-TDD / HSPA+ / WCDMA support for legacy mobile plans and fallback in the absence of a 5G NR signal.
- Data rates can soar up to 2 Gbps downlink and 211 Mbps uplink with high-speed connectivity

Simple Setup

- Built-in driver and software requires no additional drivers to install.
- LED indicator offers instant and constant awareness of connection status.
- Fakra antenna allows external antenna to connect in ideal signal position.

Tri Cascade Inc.

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Breakthrough Speeds with 5G NR Technology

The GX500c IoT Modem provides high-speed Internet access in a flash. Using super-fast 5G NR technology, this product can achieve CAT20 downlink speeds up to 2 Gbps, as field tests yield 500 Mbps downlink and 80 Mbps uplink speeds that exponentially improve work efficiency.

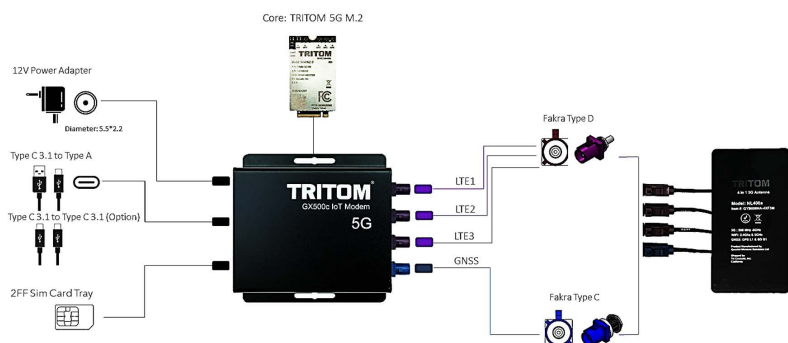
Reliable, Mobile Internet Service – Anywhere

The GX500c IoT Modem attaches to computers or digital devices for Internet access anywhere with 5G NR reception, as well as adaptable compatibility with a 4G data signal. The modem leverages a Fakra antenna for consistent connection, even during travel, transportation, or industrial-field application.

Simple to Set Up with Built-in Software

The GX500c IoT Modem is a plug-and-play solution that meets the standards for Mac, Windows, or Linux systems, making installation fast and easy. Simply plug the compact modem into a USB port, and the self-initiating drivers install automatically for swift connectivity and uninterrupted productivity.

TRITOM GX500c Diagram



| | | |
|---------------------|--|------------------------------|
| Operating Band | 5G NSA: n2, n5, n41, n66, n71, n260, n261 | |
| | LTE FDD: B2, B4, B5, B7, B12, B13, B14, B25, B26, B29, B30, B66, B71 | |
| | LTE TDD: B41, B46, B48 | |
| | UMTS: B1, B2, B4, B5, B8 | |
| | Simultaneous GPS L1, GLONASS (GLO), Galileo (GAL) and BeiDou (BDS) | |
| Downlink | LTE | LTE CAT20 |
| | 5G Sub-6 | 1CC; Max BW 100MHz; MIMO 4x4 |
| Uplink | LTE | LTE CAT13 |
| | 5G Sub-6 | 1CC; Max BW 100MHz; MIMO 2x2 |
| Platform | QCT SDX55 Cortex-A7 up to 1.5 GHz | |
| Memory | 4Gb NAND Flash with 4Gb LPDDR4X (1.8GHz) MCP | |
| Carrier Aggregation | ULCA, DLCA, and EN-DC | |
| Temperature | Operating temperature[1]: -30°C ~ +75°C | |
| | Extended temperature[2] : -40°C ~ +85°C | |
| | Storage temperature: -40°C ~ +85°C | |