TG-1 | CELLULAR ALARM
EXPRESS LTE | COMMUNICATOR FOR LTE NETWORKS

TELGUARD

AMETEK®

🏠 **PRIMARY RESIDENTIAL**

PRODUCT FEATURES

- Certified for use on the AT&T or Verizon LTE networks for sunset-free installations.
- Supports virtually all alarm formats using dial capture for universal panel compatibility.
- Supports HomeControl Flex™ for remote arming, disarming and more.
- Reduces install time by exclusively using the power and backup battery from the panel.
- Power and dial capture over a single cable for greater flexibility.

Telguard model TG-1 Express LTE provides the ideal solution for residential applications. The TG-1 Express LTE transmits full data from security and fire systems to central stations using a nationwide digital cellular network.

Today's modern family commonly chooses to use their cell phone or VoIP service instead of paying for a traditional phone line. This growing trend makes what was once the most common form of communication for the security system unavailable in most new installations. When there is no telephone service available from your customer's home, Telguard model TG-1 Express LTE ensures that critical alarm information reaches the central station.

Use the uploading and downloading capabilities of your panel with the TG-1 Express communicator and the Telguard Virtual Modem. Most panels with upload/download are supported.

Single Line Interface Cable

Sometimes the best place to install a cellular communicator isn't at the panel. In these instances, Telguard offers a Single Line Interface Cable (SLIC) option. The SLIC allows an installer to run both the power and telephony to the TG-1 Express LTE over a single CAT5 cable similar to how computer networks use Power-over-Ethernet to provide power to networking equipment.

Telguard Cellular Service

Telguard Cellular Service provides nationwide LTE network coverage for all Telguard units. Telguard's Communication Center provides seamless connectivity between the alarm panel, the Telguard family of products, and the central station. Telguard Technical Support provides a single point of contact for both cellular service and Telguard product questions.

Advanced Reliability

- Available trip input for reporting trouble conditions independent of the alarm panel.
- Supervisory trip outputs for reporting problem conditions from the TG-1 Express LTE to the panel.
- Automatic self-tests confirm the alarm path between Telguard, the cellular network, and the central station.
- 128-bit AES (Advanced Encryption Standard) encrypted alarm signals ensure authentication and security.

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Power

- **Power Consumption @ 12VDC:**
  30 mA Average
  64 mA Idle maximum
  115 mA Transmit maximum

Alarm Panel — TG-1 Express LTE — LTE Network — Telguard Communication Center — Text or Email / Central Station — Emergency Services
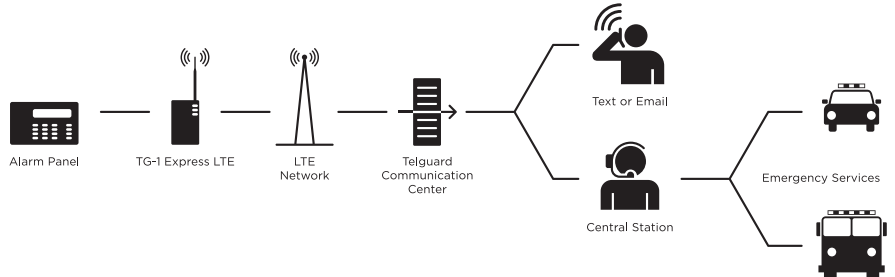
Radio Transceiver

- **LTE Bands:**
  AT&T: 2, 4, 5, and 17
  Verizon: 4 and 13.
- **Antenna Port:** SMA, 50-Omh.
- FCC part 15, 22, 24 and 27 compliant.

Physical Details

- **Size (without antenna):**
  5.6" H x 2.9" W x 1.3" D"
  (14.22cm H x 7.37cm W x 3.30cm D).
- **Shipping Weight:** 1.1 lbs (499g).
- **Operating Environment:**
  0°C to +50°C; Up to 95% humidity (non-condensing).

Standard Features

- Supports virtually all alarm formats (Contact ID, SIA2, and others) using dial capture for universal panel compatibility.
- Programmable automatic self-test (daily, weekly or monthly).
- Small, attractive enclosure.
- Available trip input.
- Two (2) programmable supervisory trip output (STC) relays.
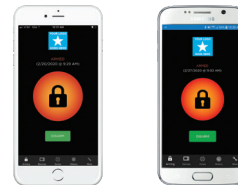- Customer-friendly LEDs display operating mode and signal strength.

Optimizes Power Distribution

By utilizing the panel for power, the TG-1 Express LTE eliminates the need for additional AC power or a backup battery. Using the panel for power simplifies installation, system design and load calculations.

Featuring HomeControl Flex™

With HomeControl Flex, end users utilize a mobile app for Android and IOS smartphones and devices to remotely arm and disarm their alarm systems. The free app comes ready to activate with the TG-1 Express LTE for all new installations and retrofits.

Visit www.Telguard.com/Flex to learn more.

Accessories
- CTX-12: SMA to TNC Connector
- ACD-12, ACD-35, ACD-50, ACD-100: 12/35/50/100 feet of low loss, high performance antenna cable.
- HGDL-0: High gain directional antenna.
- EXDL-0: External antenna.

SECURITY SIGNALING
C ⓤⓛ US LISTED

UL Residential Listings: AT&T and Verizon
985 • Household fire warning systems
1023 • Household burglar alarm systems
S545 • Residential fire
C1023 • Residential burglar alarm systems

ULC Certifications: AT&T Only*
S545 • Canadian household fire warning systems
C0123 • Canadian household burglary alarm systems

* In Canada, cellular data may be carried by Rogers, Bell, Telus or SaskTel.

For the most current product specifications and UL Listings visit www.Telguard.com.

This product protected by U.S. Patent No. 8,854,187.

ESA ELECTRONIC SECURITY ASSOCIATION™ Executive Strategic Partner Gold

CSAA INTERNATIONAL CENTRAL STATION ALARM ASSOCIATION

CANASA Canadian Security Association L'Association canadienne de la sécurité

verizon√ network certified

Connected by AT&T