TELGUARD

TG-1 | CELLULAR ALARM COMMUNICATOR FOR LTE NETWORKS

EXPRESS LTE-A

🏠 **PRIMARY RESIDENTIAL**

PRODUCT FEATURES

- Certified for use on the AT&T LTE network for long, sunset-free installation.
- 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.
- Falls back to 3G/4G if an LTE network is not available for extended network coverage.
- Panel downloading with the Telguard Virtual Modem.

Telguard model TG-1 Express LTE-A provides the ideal solution for residential applications. The TG-1 Express LTE-A 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 many new installations. When there is no telephone service available from your customer's home, Telguard model TG-1 Express LTE-A ensures that critical alarm information reaches the central station.

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-A 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 digital cellular network coverage for all Telguard units. Telguard's Communication Center is UL compliant and 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-A to the panel.
- Automatic self-tests confirm the alarm path between Telguard, the cellular network, and the central station.
- Customer friendly LEDs display operating mode and signal strength. 128 bit AES (Advanced Encryption Standard) encrypted alarm signals ensure authentication and security.

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Power

- **Nominal Power Consumption**: 39 mA @ 12V DC.
- **Transmit Power Consumption**: 110 mA @ 12V.

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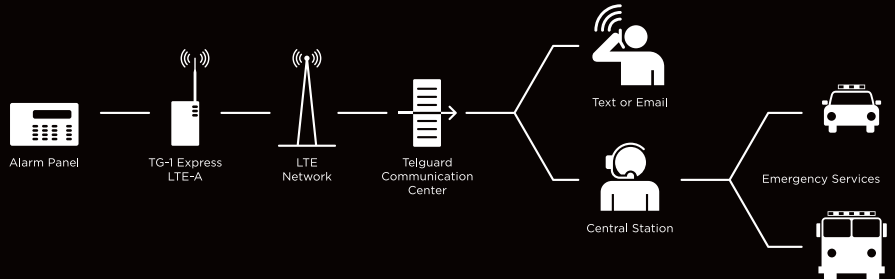
Radio Transceiver

- LTE Bands: 2, 4 & 17.
- 3G Bands: 2 & 5.
- Antenna: 5″ dipole with a max gain of 3dBi
- 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.

Optimizes Power Distribution

By utilizing the panel for power, the TG-1 Express LTE-A 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, iPhone and Windows Phones to remotely arm their system with prebuilt automation rules. The free app comes ready to activate with the TG-1 Express LTE-A for all new installations and retrofits. Visit www.Telguard.com/Flex to learn more.

Additionally, end users have the option to include video capabilities with Arlo Wire-free HD Cameras, enabling remote viewing of event-triggered clips, images and live video from anywhere, on a smartphone, computer or tablet.

SECURITY SIGNALING

C(UL)US LISTED

UL Residential Listings
985 • Household fire warning systems
1023 • Household burglar alarm systems
S545 • Residential fire
C1023 • Residential burglar alarm systems

ULC Listings
S545 • Canadian household fire warning systems
C1023 • Canadian household burglary alarm systems

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

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

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Executive Strategic Partner
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