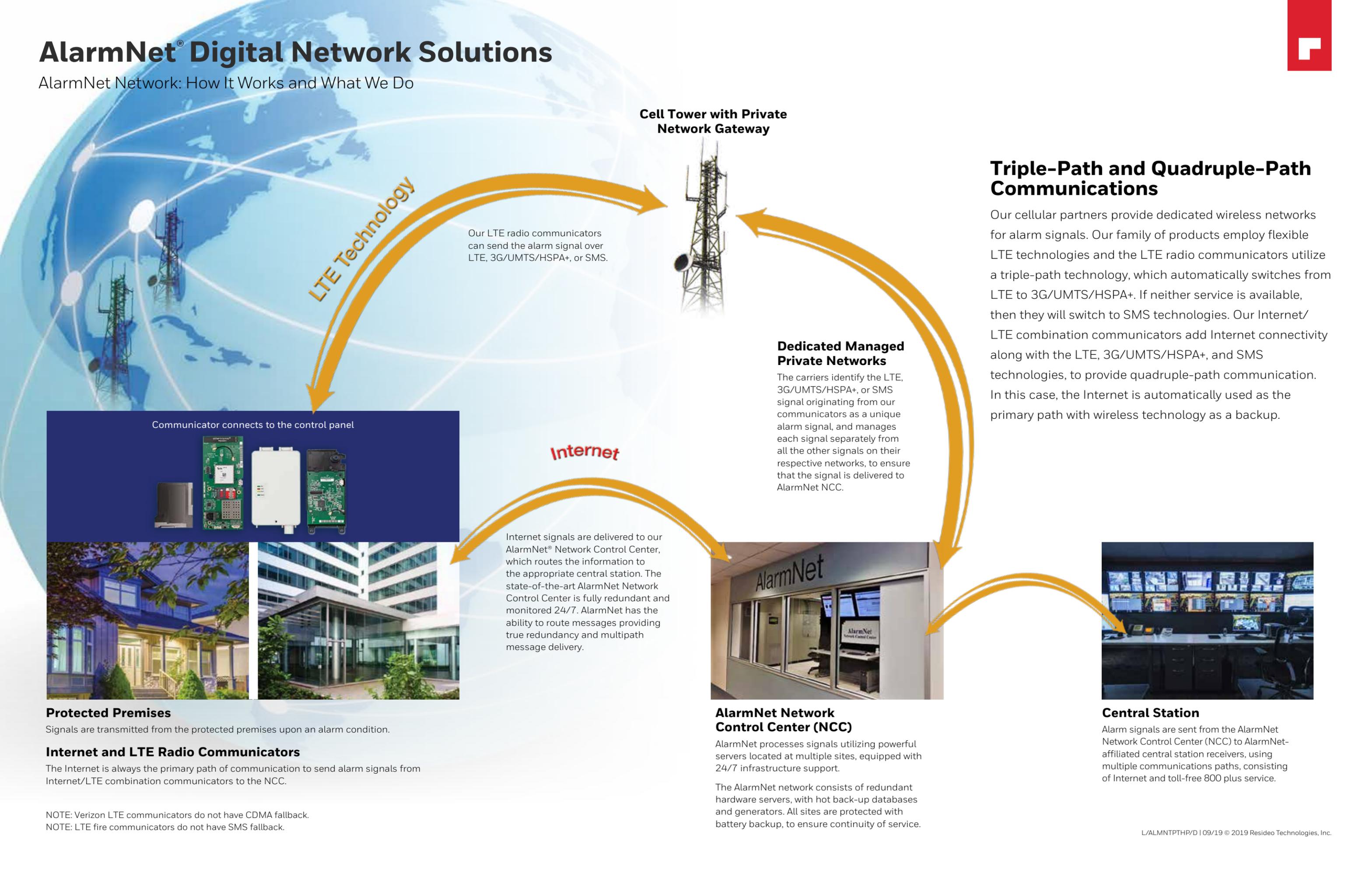


AlarmNet® Digital Network Solutions

AlarmNet Network: How It Works and What We Do



LTE Technology

Cell Tower with Private Network Gateway

Our LTE radio communicators can send the alarm signal over LTE, 3G/UMTS/HSPA+, or SMS.

Triple-Path and Quadruple-Path Communications

Our cellular partners provide dedicated wireless networks for alarm signals. Our family of products employ flexible LTE technologies and the LTE radio communicators utilize a triple-path technology, which automatically switches from LTE to 3G/UMTS/HSPA+. If neither service is available, then they will switch to SMS technologies. Our Internet/LTE combination communicators add Internet connectivity along with the LTE, 3G/UMTS/HSPA+, and SMS technologies, to provide quadruple-path communication. In this case, the Internet is automatically used as the primary path with wireless technology as a backup.

Dedicated Managed Private Networks

The carriers identify the LTE, 3G/UMTS/HSPA+, or SMS signal originating from our communicators as a unique alarm signal, and manages each signal separately from all the other signals on their respective networks, to ensure that the signal is delivered to AlarmNet NCC.

Internet

Internet signals are delivered to our AlarmNet® Network Control Center, which routes the information to the appropriate central station. The state-of-the-art AlarmNet Network Control Center is fully redundant and monitored 24/7. AlarmNet has the ability to route messages providing true redundancy and multipath message delivery.

Communicator connects to the control panel



Protected Premises

Signals are transmitted from the protected premises upon an alarm condition.

Internet and LTE Radio Communicators

The Internet is always the primary path of communication to send alarm signals from Internet/LTE combination communicators to the NCC.



AlarmNet Network Control Center (NCC)

AlarmNet processes signals utilizing powerful servers located at multiple sites, equipped with 24/7 infrastructure support.

The AlarmNet network consists of redundant hardware servers, with hot back-up databases and generators. All sites are protected with battery backup, to ensure continuity of service.



Central Station

Alarm signals are sent from the AlarmNet Network Control Center (NCC) to AlarmNet-affiliated central station receivers, using multiple communications paths, consisting of Internet and toll-free 800 plus service.

NOTE: Verizon LTE communicators do not have CDMA fallback.
NOTE: LTE fire communicators do not have SMS fallback.