

TS9081

SecureStream IP Alarm Monitoring Solution

Overview

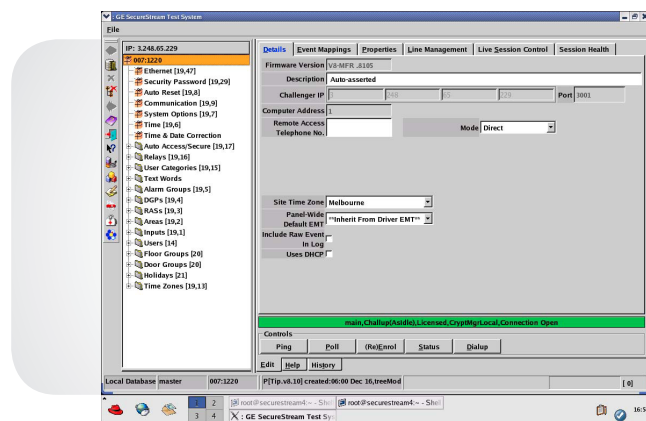
SecureStream™ IP is a native Ethernet protocol alarm receiver designed for Challenger panels to provide alarm reporting over IP infrastructure to a central monitoring station. This eliminates the PSTN phone charges incurred from regular dial up reporting to central monitoring stations. SecureStream is also encrypted and polled.

SecureStream IP is highly stable and runs on a Linux operating system. The SecureStream IP hardware is typically installed on a corporation's premises and provides a single connection to the alarm monitoring company of its choice. SecureStream could also be installed directly into any control room

An important function of SecureStream IP is to regularly poll all Challenger panels to determine availability and network integrity. Failure of the predetermined heart beat to register at a Challenger panel can cause the panel to dial the monitoring station to report this failure.

In addition to regular polling, alarm acknowledgements are sent to the Challenger panel from the monitoring station. If this acknowledgement is not received, the dialler function can be used to communicate the alarm via PSTN.

For large networks where serviceability is a key element, SecureStream IP may be set up in a redundant configuration. A single SecureStream IP may be the main receiver for a number of panels and the redundant receiver for other panels. The panel allows for up to three SecureStream IP addresses to be programmed. The first one is normal operation, the second redundant to the first and the third typically off site as a disaster recovery server for both the first and second.



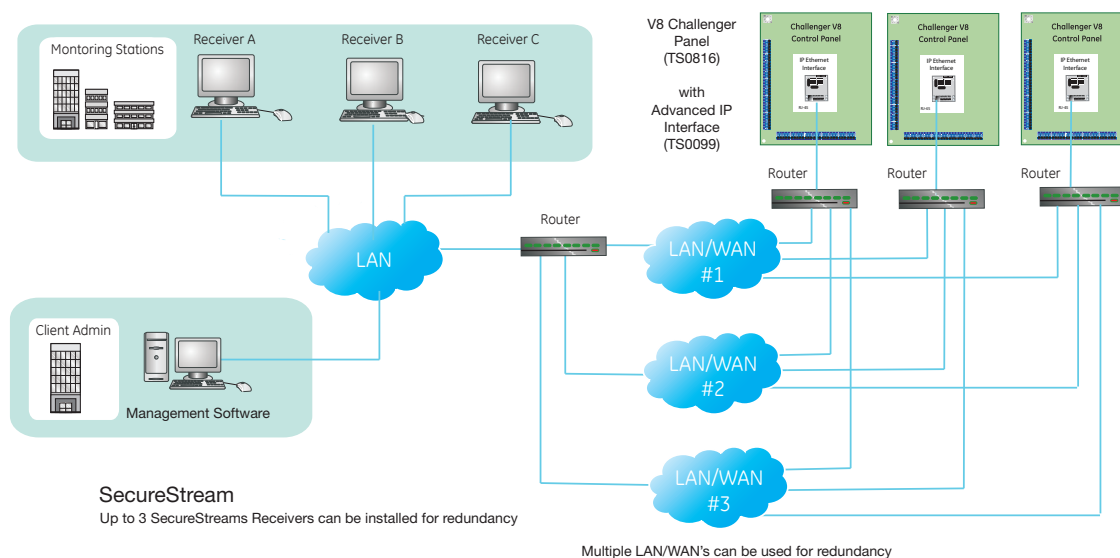
Features

- Conveys Challenger alarm events transmitted over the Ethernet to an alarm monitoring station in Contact ID format.
- Utilises existing Ethernet resources for off site alarm handling
- Enables remote Challenger programming using TITAN
- Supports 128 Bit Challenger network encryption
- Minimal operator intervention for adding Challengers to the network
- Works with most commercial monitoring station software, including MasterMind (MAS)
- Works simultaneously with Forcefield™, TITAN™ or Security Commander™ Management software
- Where no management software is used SecureStream can individually program V8 Challenger panels
- Challenger is constantly connected with regular heartbeat to determine panel status
- Receive events and control Challenger panels in real time without waiting for panel to connect

System Block Diagram

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Specifications

System capacities	
Max Challengers	4000
Max SecureStream receivers	3 (each Challenger can address up to 3 receivers)
Heartbeat frequency per Challenger	1 minute – 7 days or as set by Challenger.
Event throughput to central station automation software	
Serial CID - send (typical)	3 events/s at 600 bps
Ethernet CID - receive (typical)	48 events/s at 9600 bps
	96 events/s at 19200 bps
Network utilisation	
Heartbeat (JS > Chall.)	77 bytes
ACK (Chall > JS)	77 bytes
Data (Chall > JS)	87 bytes
ACK (JS > Chall.)	77 bytes
CID input	
Protocol	UDP/IP - Tecom CID
Speed	10/100 Mbps
Connection	Ethernet RJ45
CID output	
Protocol	RS232 – Ademco CID format
Speed / Baud rate	Fully configurable
Connection	DB9 or RJ45 (RJ45 to DB25 adaptor supplied)

Ordering Information

TS9081	SecureStream IP Receiver, 100 site max, includes 5
TS9082	SecureStream IP Receiver, 300 site max, includes 20
TS9082B	SecureStream IP Receiver, 300 site max, includes 20 Order quantity to be 2 or 3 per application.
TS9082E	SecureStream IP Receiver for enterprise solution. Order quantity to be 2 or 3 per application.
TS9083	Licence for 2 additional sites for TS9080
TS9084	Licence for 5 additional sites for TS9081
TS9085	Licence for 20 additional sites for TS9082

Specifications subject to change without notice.

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