

IP Receiver

Ethernet protocol alarm receiver



Overview

The Tecom IP Receiver is a native Ethernet protocol alarm receiver designed for Challenger panels to provide alarm reporting over IP infrastructure to a central monitoring station. IP reporting eliminates the PSTN phone charges incurred from regular dial-up reporting to central monitoring stations. The IP Receiver also provides enhanced security over dialler due to the constantly polled and encrypted panel communications.

The IP Receiver hardware is typically installed on a corporation's premises and provides a single serial or IP connection to an alarm monitoring company or in-house monitoring software. The monitoring software can be any package which supports the commonly used CID/Ademco 685 protocol.

The IP Receiver can communicate to either Challenger10 or Challenger V8 control panels. Panels are enrolled in the IP Receiver automatically when they are connected to the network. Challenger10 panel connections support AES 128/256 bit encryption. Each panel is regularly polled so the control room can be quickly notified if the communications link has been lost. Backup receivers can be deployed to ensure even greater system reliability: if one receiver fails, another will automatically take over. Challenger10 can communicate with up to 10 IP Receivers, while Challenger V8 can communicate with up to 3.

The IP Receiver is simple to install and maintain. It is a pre-loaded device, running on a highly stable Linux operating system. This simplifies installation as there is no requirement for installation of server software. A remote, Windows-based client is used to configure and maintain any IP Receiver on the customer's network.

Features

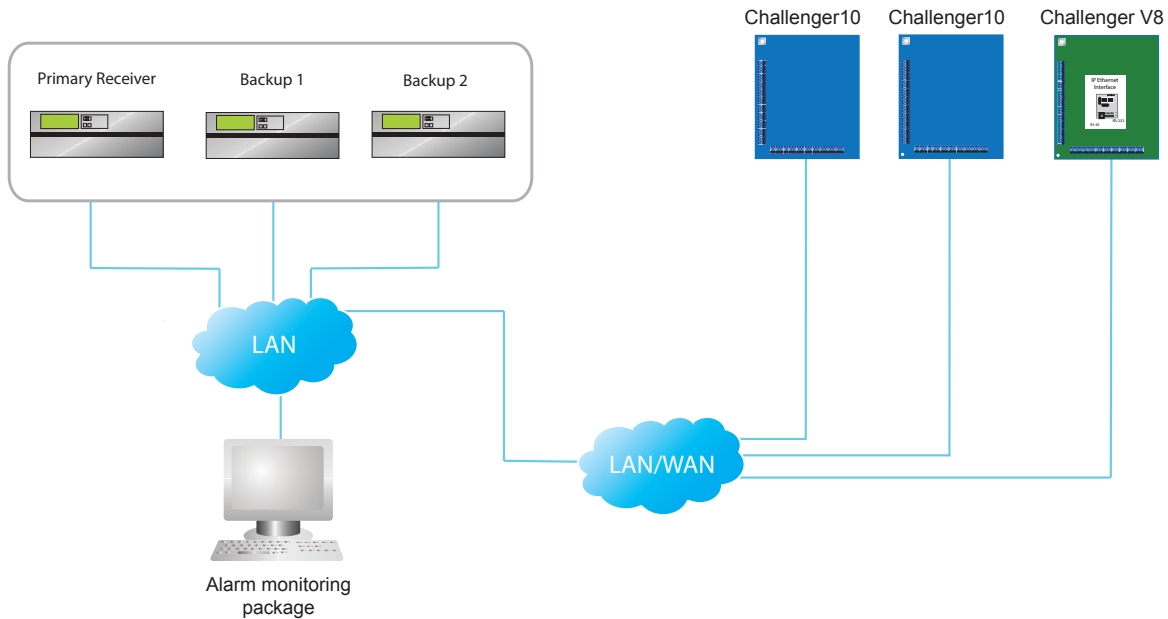
- Conveys Challenger alarm events transmitted over Ethernet or RS-232 to an alarm monitoring station in Contact ID (Ademco 685) format
- Supports up to 500 Challenger V8 and Challenger10 panels
- Receiver redundancy (automatically send alarms to backup units if connection to an IP Receiver fails)
- Pre-loaded server reduces installation time and training requirements
- Simple to install client allows operators to remotely change settings on IP Receivers
- Automated backup of configuration and panel list to remote network storage. Backups can be used to allow rapid re-deployment when replacing an existing IP Receiver.
- Supports 128/256-bit AES Challenger network encryption (Challenger10 only)
- Minimal operator intervention for adding Challenger panels to the network. Panels can be automatically enrolled from the keypad.
- Works with most commercial monitoring station software including MASTerMind (MAS) and OnGuard (Lenel)
- Works simultaneously with Forcefield, Titan or Security Commander management software
- Challenger panels are constantly connected with regular heartbeat to determine panel status. The control room is notified when the connection is lost.
- Dual Ethernet ports
- Receive events from Challenger panels in real time without waiting for the panel to connect

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Specifications

System capacities

Max. Challenger panels	500
Max. IP Receivers per panel	3 x Challenger V8 1 per Communications Path x Challenger10 (to a maximum of 10)
Heartbeat frequency per Challenger	1 minute to 7 days or as set by Challenger

CID input

Protocol	UDP/IP (IP Receiver)
Speed	10/100 Mbps
Connection	Ethernet

Alarm output formats

	Ademco 685 (Contact ID) Lenel (OnGuard)
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Output connections

RS-232	Configurable Baud rate, DB9 connector
Ethernet	Dual ports, connectors

Minimum Requirements

Operating system	Microsoft Windows XP SP2/SP3 Microsoft Windows 7 (32- or 64-bit)
RAM	512 MB
Network card	
Hard disk space	40 GB
Monitor	1024 x 768 resolution, 16-bit colour

Ordering Information

AR980500	Tecom IP Receiver, 500 sites
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Specifications subject to change without notice.

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