Telstra Secure

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Telstra Secure offers the extra assurance of alarm monitoring through a complete IP-based system that includes onsite equipment, 24/7 support and network access.
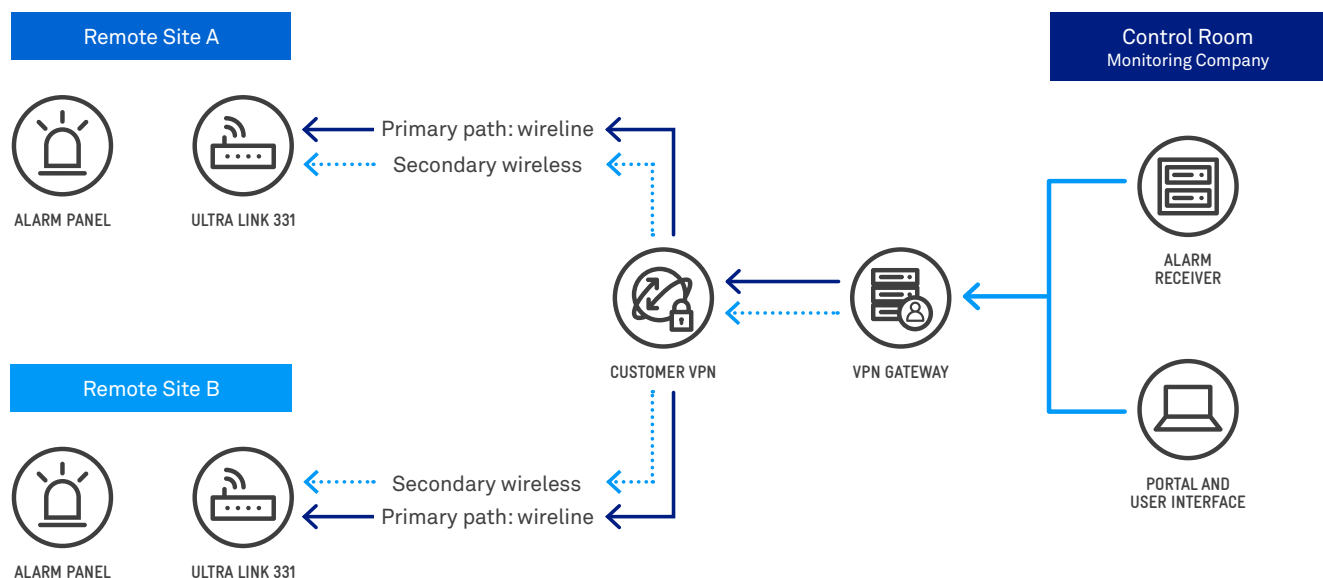
Summary

Telstra Secure provides both wireless and a range of wireline options for monitoring solutions, and you can choose either wireless or wireline as the primary path. Should the primary path fail, the alarm panel will automatically connect to the secondary path to communicate with the monitoring station.

As a genuine dual path solution (where two connections are over different communication technologies) it's ideal when network availability is vital. For less critical sites, single path wireless communications is also available.

Telstra Secure provides the high security of a virtual private network (VPN) combined with the assurance and simplicity of an end-to-end solution. The solution scales easily and offers a variety of options to suit your size, budget and risk profile. It works with most existing alarm panels and automation systems, and is supported by major security monitoring companies. It is also designed to adapt to new technologies as they arise.

Telstra Secure is also the only solution that provides Attribute 22 function (see features and benefits table over page) and the patented Upload and Download capability as standard.

How does it work?

| Remote Site A |

ALARM PANEL

ULTRA LINK 331

Primary path: wireline
Secondary wireless

| Remote Site B |

ALARM PANEL

ULTRA LINK 331

Secondary wireless
Primary path: wireline

CUSTOMER VPN

VPN GATEWAY

| Control Room
Monitoring Company |

ALARM RECEIVER

PORTAL AND USER INTERFACE

Features	Benefits
All equipment supplied • Onsite communicator including built-in 3G/4G modem with pre-installed SIM card, ADSL modem, and Alarm Panel interface. • Terminating equipment at the security monitoring company site that can integrate with your automation and monitoring systems.	• An end-to-end solution for greater convenience and simplicity. • Simple to install, activate, and integrate with new technologies. • Works with most alarm panels and automation systems for greater flexibility. • A variety of equipment to suit your size, budget and risk profile. • Easily scales as your needs change.
Telstra Managed RADIUS • Enables the customer to remotely configure each Ultra Link and its connection to the VPN.	• Secure connection to the VPN. • No need to buy and manage your own RADIUS server.
Telstra Management and Configuration Server • Configure and download software. • Poll the Ultra Link. • Send events to the Head End and pass command/responses to and from the Head End.	• Management of communications to multiple Ultra Links and control of event logs. • Enables the remote configuration of alarm panels and edge devices.
Dual DNS • Perform domain name and IP address resolution.	• Provides real time communications.
High security • Accredited by leading security vendors. • Strict quality assurance processes. • Strong data encryption. • Dedicated VPN with ISO-27001 security certification.	• Provides peace of mind that your data is protected. • Traffic is immune to web-based interference.
24/7 traffic monitoring • The Telstra Alarm Management Core has geographically redundant, hardened servers to encrypt data using the 256 bit AES algorithm. • Constant monitoring of traffic from your equipment to the security company's equipment.	• Helps ensure integrity of service. • Provides more functions such as generation, configuration, authentication, audit trail and policy management as well as remote software upgrades.
Wired and wireless network access • The Telstra Mobile Network is Australia's largest mobile network covering more than 2.4 million square kilometres. It also offers the largest Next G and 4G coverage area in the country. • Wireline connectivity options for redundancy include Frame Relay, BDSL, ADSL, NBN or Connect IP®.	• Wide coverage enables you to monitor your premises in more places, whether you have an Telstra existing service or not. • Enjoy better signal strength, in-building penetration and more reliable coverage than any other Australian mobile network. • Telstra's IP Network mean a wide range of surveillance solutions can be provided. • Alarm and polling traffic costs are negligible.
Complies with AS2201.5-2008 standard	• Offers extra assurance. • Provides a clearly defined understanding of your service and helps you fully meet monitored security insurance requirements.
Attribute 22 functionality • The only solution to offer Attribute 22 Upload and Download (patent pending) functionality.	• Enables remote programming, verification of functions, testing of performance and software upgrades.
Competitive pricing • Single monthly charge. • Uncapped usage on alarming data. • No hidden dial-up cost.	• An affordable solution that's easy to budget for. • Fixed costs and clarity of charges avoids billing errors.

TELSTRA

Technical specifications

Enclosure
The UC-331-3G can be housed in and powered from the alarm panel:
• unit dimensions (mm): 178 X 114 The UC-3351-3G can be housed in its own secure wall mounted enclosure
• dimensions (mm): 72 X 210 X 300
• supports plug-pack, lock, tamper switch, vibration sensor and 7 AH battery (battery, lock, tamper switch and vibrations sensor not supplied).

LAN (IP) Interface
• Auto MDX (auto-sense) 100BaseT Ethernet interface.
• RJ-45 connector.
• DHCP client (default operation).
• Static LAN configured via DTMF phone.

Telstra Mobile Network Cellular Interface
• The Telstra Mobile Network carries security alarms and polling concurrently and independently of IP path.
• Variable Telstra Mobile Network polling rate – supports increased polling rate during IP path failure.

PSTN Interface
• IP Dial or dialer (ContactID) reporting.
• Mode3 PSTN connection.
• PSTN line monitoring and reporting.
• PSTN fall back functionality.

Management Features
• LAN side Web (browser) management.
• Software download via Telstra's IP Network and Telstra Mobile Network.
• Remote testing, polling, status and configuration via security protocol.
• Simple installation and service activation – technical skills not required.
• Reports own alarms using ContactID format.

Power
• Nominal 12 Volt DC input (9.5 to 30 Volts) from alarm panel or plug-pack.
• Charge 7 AH battery.
• Low or missing battery alarm.
• Current at 12VDC < 400mA.

Operating Conditions
• Temperature: 5ºC to 50ºC.
• Humidity: 0% to 95%.

Alarm Panel Interfaces
VF Dialer Capture supporting most popular alarm formats:
• SIA1, 2 and 3
• ContactID
• Ademco Fast
• 4+1 / 4+2
• TTL/RS-232 ASIAL serial protocol
• ASIAL analog protocol (connects to alarm panels with integrated STU)
• up to eight PINs – dry contact inputs.

Alarm Panel Download
• Alarm panel download over Telstra's IP Network or Telstra Mobile Network.
• Remote control of PSTN bypass relay.

General Purpose (Dry) Parallel Inputs (PINs)
• Eight ContactID reporting inputs
• Programmable input event state O/C or S/C.

General Purpose Outputs
• Three remotely controlled outputs.
• Two outputs can be configured as status indication lines to alarm panel:
  – Comms Fail
  – Event Acknowledge
  – use for remote alarm panel arming/testing.

Configuration
• ZeroTouch™ automatic configuration.

Approvals
• A-Tick and C-Tick.

Accreditation
• Independent testing and Accreditation to:
• AS2201.5-2008.

About Telstra

We provide network services and solutions to more than 200 of the world's top 500 companies. They rely on us to do business across 240 countries and territories and to enable greater productivity, efficiency and growth.

Our solutions offer the best of all worlds – skilled people and a rich portfolio of services delivered on our world-class Telstra Next IP® network and Telstra Mobile Network. To ensure reliable performance, they're monitored and maintained from our dedicated centres using advanced management and operational systems. And they're backed by Telstra Enterprise-grade Customer Service® and one of Australia's largest and most qualified field and technical workforce.

Contact your Telstra account representative for more details.

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