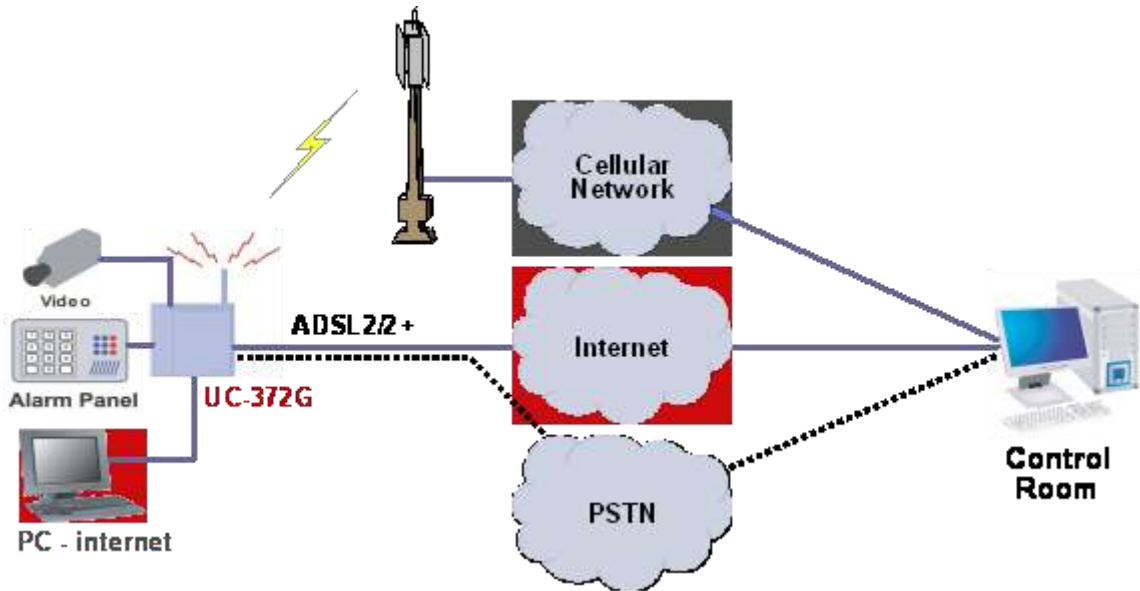


UltraConnect UC-372-ASGE Broadband Gateway



UltraConnect™ UC-372-ASGE ADSL Security Communicator is a high-end ADSL modem which supports the transport of legacy security and fire alarm signalling over ADSL, IP and cellular networks while also supporting broadband internet access. With an extensive range of physical interfaces, powering and network transport options, UltraConnect Security Communicators offer an unparalleled level of functionality and reliability for legacy terminal users seeking to move their transport infrastructure to multi-path IP networks without replacing their existing burglar alarm and fire alarm terminals. The equipment also supports a low cost video surveillance capability, with access to live and recorded video from CCTV and IP cameras at the monitored premises.

Applications

UltraConnect Security Communicators are designed for applications where there is a need to transport messages from legacy alarm equipment over IP wide area networks. Typical examples include:

- Fire alarm panels with relay or serial interfaces
- Intrusion detection systems with digital dialers
- Access control systems
- Video alarm verification

Compatible With Installed Equipment

Typical alarm monitoring network comprise alarm panels or other devices with low speed interfaces connected to private circuits, point-to-point radio networks or the PSTN.

UltraConnect Security Communicators implement dedicated serial data, VF, PIN and other interfaces in order to connect directly to the terminal equipment. This means there is no need to replace or modify the existing terminal equipment.

Just add the UltraConnect and migrate the application to broadband and/or cellular networks.

Managed Dual-Paths Communications

UltraConnect Security Communicators support transport over fully integrated IP/ADSL, Cellular and/or PSTN paths. Deploy with a single or multiple solution depending on the required cost and reliability. Deploy dual path, e.g. ADSL and cellular where network availability is critical.

Further, the communications paths are fully managed by the UltraAgent network server, ensuring rapid fault detection and restoration.

All-in-one Box

No need to cobble together a solution consisting of IP panel interface + ADSL modem + cellular modem + custom controller + battery.

UltraConnect Security Communicators are highly integrated and provide all these features in a single, convenient, managed and secure box.

Specification Sheet

ADSL (WAN) Interface

- ADSL/ADSL2/ADSL2+ compliant to:
 - ANSI T1.413, Issue 2
 - ITU G.992.1 (G.dmt)
 - ITU G.992.2 (G.Lite)
- Central ADSL splitter compliant to:
 - ANSI
 - ETSI TR 101 728

Cellular Backup (G, X, 3G Models)

- Cellular path carries security messages concurrently with ADSL path
- Continuous receive power monitoring and reporting
- Equipment versions supporting:
 - GPRS
 - CDMA-1xRTT/eVDO 850 MHz
 - 3G HSDPA & HSUPA

Router / Firewall Functions

- RFC1483 multiprotocol encapsulation over ATM (LLC-SNAP and VCMUX supported)
- 16 PVCs supported
- PAP, CHAP, MSCHAP authentication
- PPP terminated for cellular (-G/X models)
- Least cost routing selects wireline over wireless interface by default
- Up to five 10/100BaseT Ethernet interfaces – Auto MDIX
- Stateful packet inspection firewall
- Optional NAT / PAT / IP Forwarding configurable
- DHCP Server
- DHCP Client (Dynamic IP address)
- Static IP

Message Encryption

- 3DES
- AES256 (planned)

Alarm System Interfaces

- VF Dialler Capture supporting most popular alarm Formats:
 - SIA1, 2 and 3
 - ContactID
 - Ademco Fast
 - 4+1 / 4+2
- TTL/RS-232 ASIAL serial protocol
- VF modem – V.21, V.22, V.22bis
 - Used for alarm panel download over IP and cellular networks
- 8 General Purpose Sensor/Alarm Inputs
- 2 General Purpose Remotely Controlled Relay Outputs
- Ethernet

Management Features

- Simple to install and configure – configure using touch-tone phone
- LAN side browser based management
- Network management over ADSL and/or cellular interfaces from UltraAgent server (hosted by service provider)
- Management system alarms for comms, power & interface failures
- Remote software download
- Remote testing, polling, status and configuration
- Zero-touch activation allows preconfiguration in server and automatic download to site at installation, eliminating complex on-site configuration.

Enclosure Options

- Secure wall mounted enclosure according to Australian Standard AS2201.5-1992
- Box and wall mounting tamper detection and reporting
- Cellular antenna mounting supported
- Enclosure dimensions: 310mm (W) x 319mm (H) x 75mm (D)

Environmental

- -5°C to 50°C operation
- 95% Humidity

Power Supply Options

- Security industry standard 240V/16VAC plugpack
- >8 hour battery back-up with advanced battery management system including:
 - Rapid, temperature compensated charging
 - Periodic and remote controlled testing
 - Battery disconnect with battery low voltage alarm
 - Both 7 AH and 11 AH VRLA batteries supported
- Alarms for AC loss and battery fail

Remote Access

- Access to remote alarm panel programming via CMS controlled PSTN fallback
- Supports remote configuration and download of panel data over IP and cellular networks using PSTN emulation

PSTN Back-up

- Phone line monitoring and reporting
- Automatic Mode3 fallback to the PSTN supported

Advanced Video Surveillance

- Support for up to 8 standard security industry coax surveillance cameras via external video capture devices (UltraCapture2, UltraCapture4, UltraCapture8)
- Users can select camera and view video frames on-site or remotely via secure UltraVideo server using standard web browser or Java™-enabled mobile
- Event-based video recording – twenty 60 second video clips stored (± 30 Seconds around the trigger event)
 - Recording triggered from alarm events sent by alarm system
- Remote Pan-Tilt-Zoom camera control

Certification

- A-Tick, C-Tick
- IP1149
- AS2201.5:1992

Further Enquiries

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