CLIPSAL®
INTEGRATED SYSTEMS

Clipsal PremiseGateway™

The Clipsal PremiseGateway™ is the solution for users to access control systems over the Internet, whilst providing broadband sharing and security services for devices on home or office LANs. It is designed for both commercial and residential applications hence the name Clipsal PremiseGateway.™

The Clipsal PremiseGateway™ acts as both a router to enable internal users to share an Internet connection, and as a secure gateway allowing authorised users to connect to control systems such as C-Bus, EZinstall, Clipsal MinderPRO, CentralAXS or other systems such as video servers and web-servers. All of these services are provided in a state of the art security and firewall framework. End users can access their control, security, CCTV and automation systems and LAN remotely, secure in the knowledge that they are doing so in a secure manner with industrial grade certification, authentication and encryption technology.
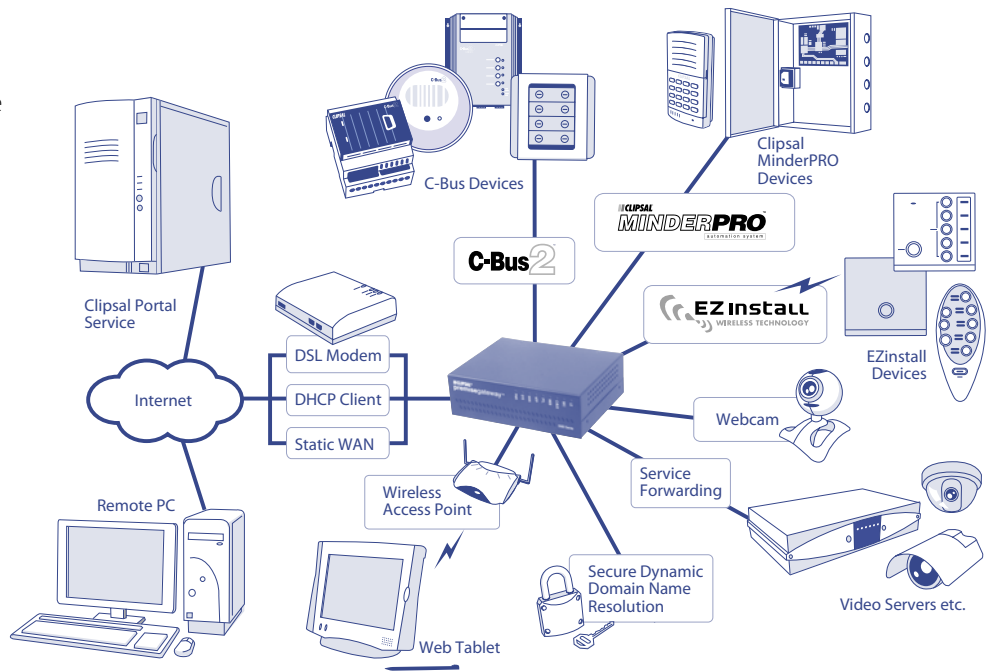
When used in conjunction with the Clipsal Portal, the Clipsal PremiseGateway™ enables users to connect to remote systems using a standard low cost DSL connection - this avoids the requirement for expensive fixed IP addresses.

The Clipsal PremiseGateway™ currently supports Clipsal control system products for lighting, power, access control, CCTV and automation applications. Subsequent releases of the Clipsal PremiseGateway™ will support a range of new Clipsal products and services as well as a wide range 3rd party products, protocols and services.

CLIPSAL
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FEATURES & BENEFITS

- **Monitor and control** C-Bus, EZinstall, Clipsal MinderPRO, CentralAXS and selected 3rd party systems remotely or locally through a LAN.

- **Access via** PC, Web tablet, PDA or Internet enabled mobile phone to access Clipsal PremiseGateway™ functionality.

- **Embedded web server software** - no need to install and maintain software in multiple locations. The Clipsal PremiseGateway™ will support up to 4 connections concurrently.

- **Connection Management** - the Clipsal PremiseGateway™ provides flexible management of your internet connection. The Clipsal PremiseGateway™ can be configured to maintain your connection to the Internet permanently or connect on demand when required by an internal device such as your home PC.

- **Stateful Firewall** protects Local Area Network from Denial of Service (DOS) attacks or unauthorised access to control systems. The Clipsal PremiseGateway™ provides a fully featured firewall protecting internal services from unauthorized users and intruders.

- **Web-based Configuration** - fully featured web application enabling Remote Access & Control.

- **Secure Dynamic DNS** - when the Clipsal PremiseGateway™ is used in conjunction with the Clipsal Portal Service, it is possible to connect to remote premises from any Internet connection in the world by logging into a Clipsal Portal Service and keying in your security credentials. In addition, it is possible to have a dedicated URL which points to your home from anywhere in the world. Features industrial standard 128-bit encryption.

- **Shared Connection** - the Clipsal PremiseGateway™ provides a DHCP Server and Internet Gateway Service enabling multiple users and/or devices to connect to the Internet sharing the same connection.

- **Clipsal C-Bus** - the Clipsal PremiseGateway™ provides support for up to 255 C-Bus devices on a single network with multiple applications. The Clipsal PremiseGateway™ connects directly via its C-Bus Interface, an RS232 serial interface or a C-Bus CNI and enables users to control and monitor their C-Bus devices via a built-in web-based interface.

- **Clipsal MinderPRO** - the Clipsal PremiseGateway™ provides support for connectivity to the Clipsal MinderPRO Premise Automation System. The Clipsal PremiseGateway™ connects via an RS232 serial interface and enables users to control and monitor the status of the system via a built-in web-based interface.

- **EZinstall** - the Clipsal PremiseGateway™ provides support for up to 40 EZinstall Devices and 40 EZinstall Scenes acting in a similar way to an EZinstall Remote Control Unit. The Clipsal PremiseGateway™ connects via an RS232 serial interface and enables users to control the EZinstall devices via a built-in web-based interface.

- **CCTV Support** - the Clipsal PremiseGateway™ provides support for a range of Video Server devices for simple video connections. The Clipsal PremiseGateway™ can forward sequences of JPEG still frames from a range of Video Servers without exposing the device itself to the Internet. The Clipsal PremiseGateway™ provides full http-authentication support.

- **Internal Service Exposure** - the Clipsal PremiseGateway™ has a provision to enable internal services to be forwarded to the Internet. Services such as digital video recorders, video servers, web servers and other TCP-IP enabled devices can be passed through the Clipsal PremiseGateway™ if required.

GENERAL SPECIFICATIONS

CPU Chipset	NS Geode GX1 300MHz x86 CPU Core
Memory	64MB SDRAM onboard
Dual Network Controller Chipset	10/100Mbps, auto switching
Serial Ports	2 x High Speed RS232/485 ports
USB	2 x USB v1.1 ports, Open HCL Compliant
Dimensions	160mm (W) x 50mm (H) x 120mm (D)
Operating Temperature	0˚C to 40˚C
Operating System	Linux
Internet Connectivity	PPPoE, DHCP Client, Static IP
DHCP Server	Web configurable DHCP Server. Configurable range
NTP Server	Synchronizes System Clock with Network Time Servers. Allows other internal devices to sync their clocks with the Clipsal PremiseGateway™ NTP Service.
Video Connectivity	Forwarding of sequences of JPEG still frames from a range of Video Servers. Full http-authentication support.
Firewall	Packet Filtering, Directional Protection, Port Forwarding, Port Management, Denial of Service Protection. uPNP Internet Gateway Device Compliant.
C-Bus Connectivity	Direct, Serial (PCI) or Ethernet (CNI) connection to C-Bus. Single network control. Monitor and control up to 255 Group Addresses. Supports multiple C-Bus applications.
EZinstall Connectivity	Serial or Clipsal MinderPRO (UCM) Connection to EZinstall Network Interface Module. Supports up to 40 EZinstall Devices (Toggle Only). Supports up to 40 EZinstall scenes.
Clipsal MinderPRO Connectivity	Control and monitor alarm panel states - armed, disarmed, day, night and vacation modes. Monitor zone states, battery voltage, mains power status. Control and monitoring of output devices.
Portal Connectivity	Dynamic IP resolution. Strong connection security.
Scheduler & Logic Engine	32 User definable schedules with up to 255 commands per schedule. Up to 255 User definable scenes per schedule. Each up to 255 commands per schedule.

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