

# PRODUCT SPECIFICATION

The IP Connect Server is a mini server that connects to your interdisciplinary LANs via its firewalled Ethernet ports.

It uses an Intel Atom processor with Linux operating system. Along with its Mini ITX form factor, this gives the server proven performance, reliability and flexibility. Solid-state storage in the form of an industrial grade Compact Flash and SATA Disk on Module (SATADOM) are used to further enhance the reliability of the server.

Multiple Ethernet ports allow flexible and simple network set-up, and are used to connect to the following:

- Austco Nurse Call system;
- Ward network for Nurse Stations and displays;
- Telephony LAN; and
- Hospital database server on a corporate LAN via HL-7 or ODBC.

The Nurse Call LAN will include IPnet Routers, Annunciators, TACERA Nurse Stations and the Austco IP Paging Base.

An LCD on the front panel of the server displays boot-up messages, IP addresses and operating status.

Power supply is a nominal 24 V DC and the server is normally powered from the Austco Nurse Call battery-backed power supply.

The server is supplied with a complete software bundle to run a large facility. Licensing keys are required to activate each software interface module to configure the server with the required functionality for your site.

A standard web-browser provides access to Webmin which is a web-based interface for system administration for Linux / Unix. Using a PC or laptop connected to any LAN adapter, Webmin allows easy on-site (or remote off-site) configuration of the IP Connect Server and its applications.

Lower level administration, diagnostic and set-up tasks can be carried out via a PC Terminal session using an onboard RS-232 port. Onboard PS2

keyboard and VGA connectors allow similar access to the server using a keyboard and monitor.

Four USB ports allow a range of peripherals and input devices to be connected. Serial to USB converters may be required for some applications. The server has a surface mountable metal base, PCB with connectors, and clear and concise labels indelibly printed on the board. There is a powder-coated metal cover that meets UL certification.

The server constantly monitors all connected IPnet Routers and IPoint devices for current and voltage, plus each connected and registered device is "pinged" 50 times a second. The server has an internal data log of past events that can be viewed in real time from the web-browser as a service tool for network testing.

Remote diagnostics by the web-browser is standard, and allows each device to be functionally tested remotely and its current status to be displayed in real time. Detected faults are reported immediately.

Updates to the operating system and upgrades to the site configuration files can be performed in real time without shutting down the server. This allows changes to be made to a working system without interruption to the operation of the system.

The server's electronics are protected against power surges, near-lightning strikes, cable shorts and power reversals.

It operates on a voltage between 12 and 32 V, with current consumption of 1.75 A at nominal operating voltage of 24 V.

CISPR 22 Class B certification ensures that the server meets the new international emission requirements for hospitals and aged care facilities.

The server complies with the international RoHS Directive for the restriction of hazardous substances in electronic equipment.

Dimensions & Specifications	Height:	290 mm	Depth:	93 mm
	Width:	250 mm	Weight:	2.8 kg
	Housing:	Powder-coated steel	Mounting Method:	The base is bolted onto a flat surface with four M4 screws in a rectangular pattern 180 x 274 mm.
	Connectors:	DC power 2.5 mm plug 9 mm 4 x RJ-45 socket for CAT5/6 Ethernet 1 x 9 'D' (RS-232) 1 x 15 'D' VGA	Connectors (cont'd):	4 x USB 2 x PS2 (Keyboard / Mouse) 1 x 25 'D' (LPT1)
	Current Consumption:	Standby: 1.75 A Maximum: 2 A	Voltage:	24 V DC (nominal)
	Operating Temperature:	0 – 50°C	Relative Humidity Range:	20 – 90% at 30°C

Ordering Options	Code	Description	Order Options
	ACS-100	IP Connect Server with operating system and server software bundle	

Designed to comply with:

- AS 3811: Hard-wired patient alarm systems.
- HTM 08-03: Bedhead services.
- UL 1069: Hospital Signaling and Nurse Call Equipment.
- IEC 60601-1, UL 60601-1 and CAN/CSA C22.2 No. 601.1-M90: Medical electrical equipment - Part 1: General requirements for basic safety and essential performance.



Manufactured in general accordance with the requirements of international quality assurance standard ISO9002.

Authorised Austco Reseller

