

ANTS



IP SERVER & IP GATEWAY ANTS Software

As part of addressing the wider picture of radio station systems, the ANTS software developed by Audix Broadcast allows standard computer networks to provide connections for non-critical communications.

IP offers a convenient, simple and low cost system suitable for transferring non-critical data. Audix Broadcast uses the system to provide local area control, supervision and monitoring facilities for broadcast facilities.

IP Server

The traditional method of providing the centralised resource is to use a PC which is normally bulky, difficult to mount and has various facilities not required for the application.

The units have adequate capacity for the tasks required, all are designed for 24/7 operation in broadcasting environments. ALL use solid state large capacity memory for both the operating system and data storage the smaller units being convection cooled.

The two smaller units are mounted in a half width 1U self powered AC mains module, the large unit uses a 2U high half width AC mains module the frame can accommodate 2 standard 1U modules to the side.

All systems are supplied preloaded with a Linux operating system and the standard ANTS JAVA based application

The Servers are connected to the local computer network through an standard IP connection, the large Servers are connected to the ATM backbone through a separate ATM network interface whereas the smallest Server uses two RS232 serial ports.

IP Gateway

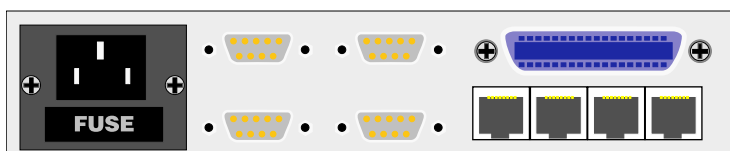
Most studio installations contain items of equipment that require control by RS-232 or use a set of digital control lines (GPIs). Typical examples are ISDN codecs and minidisk players which, although they have front panel controls, are often in a centralised location at some distance from the operator.

If the equipment may be controlled by RS-232 it is common practice to connect it to a nearby PC, then to use IP networking to allow other remote PCs to access its functions.

However few PCs are dedicated to providing such services on a continuous, 24-hour basis and as soon as the owner of the PC shuts down the machine, the connected devices are unavailable to any other users.

The solution is to use an IP Gateway – a small module that provides an IP presence for such equipment control. An IP gateway contains four independent computing units capable of running a targeted application allows devices to be visible and controllable by all connected PC's, subject to necessary permissions.

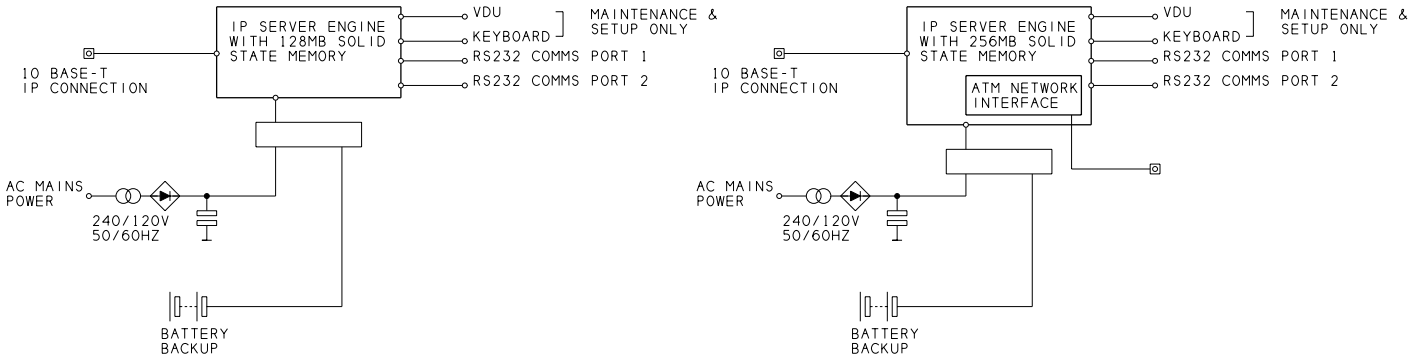
- Compact Size
- Single frame mounts 2 modules
- Independent power supplies
- IP connections
- Servers runs under a Linux operating system
- Server has a solid state memory system
- IP Gateway has 2 external serial comms ports per interface
- 2 IP Controller systems inside a single Gateway
- Operating software written in JAVA
- System configuration written in a high level scripting language



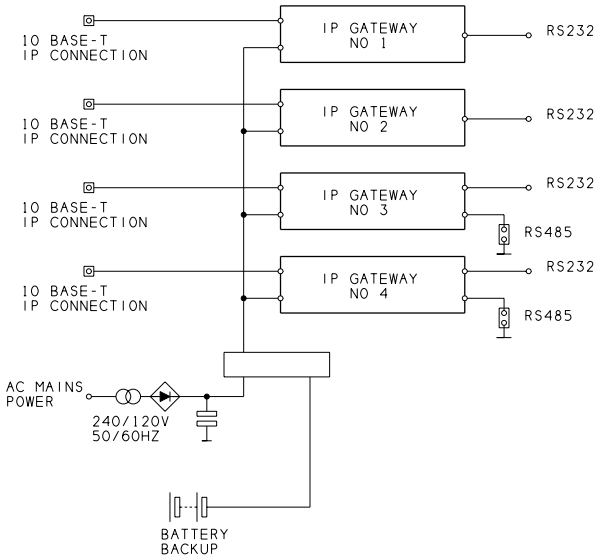
Continuous development means the range of applications is being extended, present software modules include Clocks (TICK-TOCK), ISDN codecs, Monitor Panels and Router Control.

The IP Gateway is a component part of the Audix ANTS control and monitoring system. To the rest of the computer network it behaves exactly as if it were a conventional PC, but since it occupies half a 1-U rack module, it may be located with the equipment it controls, powered up and available at all times.

IP SERVER



IP GATEWAY



WARRANTY

All equipment is guaranteed for a period of twelve months against faulty workmanship and materials. All repairs are to be carried out at our works at Saffron Walden, where units must be forwarded, carriage paid. We reserve the right to exchange or replace units as necessary.

DEVELOPMENT

Audix Broadcast policy is one of continuous improvement. We reserve the right to change specifications without notice. Typical figures are based on normal operating conditions. For critical applications please confirm current specifications with our sales department.