



### FEATURES

- Industrial rated -40 to +70 C
- Two Ethernet ports: 10BaseT, 10/100BaseT
- Four serial RS232 ports, all async, or 2 of 4 sync
- Internal or external sync clock
- Can be ordered with 1 balanced RS530/V35 port
- Each port is independent for routing, filtering
- Easy to setup and maintain
- Web browser configuration and management
- Multiple configuration files
- Extensive statistics logging and diagnostic tools
- NAT, port forwarding, port/address filtering
- Extensive firewall and security features
- Authentication with PAP, CHAP, MSCHAP(1&2)
- Dedicated PPP or Frame Relay link, dial-out, dial-in, or dial-on-demand combinations
- Link LAN to LAN or remote computer dial-in
- DHCP server or client
- Compact size, Stand-alone or Rack Mounting
- APS-01 power control accessory is available
- 120, 220 VAC, 12, 24, 48 and 125 VDC options

### DESCRIPTION

The IP-9600 is an industrial rated router with 4 serial ports and 2 Ethernet LAN ports. All 4 serial port can be async. One or two of the ports can be sync with external clocking on both ports, internal clocking on one port. The IP-9600 may be used for connections needing up to T1 speeds.

The 4 RS232 serial ports operate at async speeds from 300 bps to 230 Kbps. One sync port is RS232 up to 1 Mbps, the other, when ordered as RS530, can be clocked up to 1.544 mbps. Serial ports may be used to link two separate remote sites with leased or dial connections, one port used for an ISP connection, another for dial-in, each used for combined dial-in and dial-on-demand dial-out, or other combinations.

The two ethernet LAN connections (one 10BaseT, the other auto-switching at 10 or 100BaseT) may be configured on different LAN segments for DMZ routing, firewalling and port/address filtering, or used as a DSL or Cable modem adjunct for Network Address Translation (NAT).

The IP-9600 works well with DSL, cable or dial modems, leased line modems, CDPD or GSM modems, wireless links, satellite modems, the DCB DA-56 DSU, or even simple line drivers.

Flexibility is the key. Routing may be between any combination of interfaces with full-featured port or address filtering, port forwarding, and NAT. The same port may even be configured for dial-out/dial-on-demand while accepting dial-in calls from portable computer users. It's easily configured for "stay-online" dial connections.

Configuration is quick and easy using a web browser. The router uses 3 different configurations... a stored configuration, a working (running) configuration, and a pending configuration. This method allows temporary configuration changes, testing, and remote configuration changes even via a PPP link on the router. Configurations may be saved on a PC for later use, and the config file is editable on a PC.

The IP-9600 is straight-forward, easy to configure and maintain. The IP-9600 has the features you want without the complexity.

## IP-9600 Sync/Async Router

### SPECIFICATIONS

#### General

Four RS-232 serial ports, all 4 async, up to 2 sync:

- RJ45 RS232 (per TIA/EIA 561) connectors
- Speeds to 230 Kbps
- RS530 balanced port option – 1 port only
- Balanced port speeds to T1 rates (1.544 Mbps)

Two Ethernet ports:

- One 10/100BaseT
- One 10BaseT

#### Protocol Features

- PPP, IP, DHCP (Server & Client), UDP, ICMP,
- Authentication: PAP, CHAP, MSCHAP (V1 and V2)
- Dial-On-Demand, inbound and outbound PPP
- Synchronous PPP or Frame Relay
- Auto-Disconnect timers
- Network Address Translation (NAT), port filtering, port forwarding, address filtering
- Web browser configuration and management
- Default IP address: 192.168.0.1

#### Indicators (front panel)

Front - Power, Status, port activity

Rear – LAN connection (2), LAN activity (2)

#### Controls

DIP switch:

- Setup (initial setup using serial terminal)
- Reset

#### Physical/Electrical

Power requirements: 12VDC, 600 ma standard

12, 24, 48, 125 VDC and 240 VAC options are available

Supplied with 120 VAC external power supply

5 ¼" x 5 ½" x 1 ¾"

One pound

#### Environmental

- Operational Temperature: -40° to +70° C
- Storage Temperature: -50 to +75 C
- Humidity: <95% Non-condensing

Rear View



Above picture shows 48 VDC connector



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