

Technical Note – SXIPM-PPP – PPP Application

PPP or “point-to-point protocol” transports IP messages over serial links and in effect makes a telephone modem or radio into a speed reduced Ethernet connection. Everyone that connects to the Internet via a telephone modem uses PPP. Configuration screens (see image below) in the SXTOOL Kit allow you to configure the PPP agent that has been integrated into the IPm firmware. The I/O Tool Kit v2.3 and IPm firmware v1.6 or later are required and may be downloaded at no charge. Registered I/O Tool Kit users may purchase a license to use this add-on software directly from SIXNET. This one license may be used with any number of IPm units owned by the same licensee.

PPP (Point to Point Protocol) allows you to:

- Connect to the Internet (or intranet) over a modem, radio or other serial device. PPP effectively turns a serial port into a speed reduced Ethernet connection.
- Add port forwarding to an IPm station with this powerful software enhancement. Pass messages through Ethernet and serial port or forward messages from wireless links, or phone connections. Pass multiple protocols, simultaneously, through the same serial link through the power of ‘ppp’ message packeting. Multiple hops are easily set up through a simple hierarchy of subnet masks. The I/O Tool Kit is used to quickly configure your “passthru” connections.

