ZyXEL Prestige P128MH
v2.13 | 09/15/1998
Release Note

Supported Platforms:

ZyXEL Prestige firmware 2.13 supports P128MH

Features:

Multiple WAN Ports

Your *Prestige 128MH* has one async WAN port (*WAN*-1) and two internal modems. The WAN port can be connected to a dial-up/leased line modem or to an ISDN TA (ISDN Terminal Adapter). The internal modems only support for the dial-up line. The WAN port and the internal modem can be used independently for different destinations, or they can be bundled for one connection to support bandwidth-on-demand.

Leased Line/Dial Back-Up Support

Your *Prestige 128MH* supports leased line connections. The *Prestige* can also support dial back-up function for the leased line connection.

Multiple Networking Protocol Support

The *Prestige 128MH* is a multi-protocol router that supports TCP/IP, Novell IPX, and Transparent Bridging.

Dial-On-Demand

The Dial-On-Demand feature allows the *Prestige 128MH* to automatically place a call to a remote node whenever there the traffic coming from any workstation on the LAN is directed to that particular remote site.

Bandwidth-On-Demand

The Bandwidth-On-Demand feature provides flexible bandwidth when needed. The *Prestige 128MH* dynamically allocates bandwidth between the WAN port and the internal modems, increasing or decreasing speeds as needed to allow for greater efficiency in data transfer.
By using the PPP/MP (Point-to-Point Protocol/Multilink Protocol), your *Prestige 128MH* can bundle three modems in order to use the maximum available bandwidth. The *Prestige 128MH* supports BAP (Bandwidth Allocation Protocol) and BACP (Bandwidth Allocation Control Protocol) to manage the number of links in multilink bundle.

Full Network Management

Your *Prestige 128MH* supports SNMP (Simple Network Management Protocol) and allows menu-driven network management via an RS-232 or Telnet connection. Your *Prestige* is also equipped with a Call Detail Record to help analyze and manage your telephone bill.

RADIUS

The RADIUS (Remote Authentication Dial-In User Service) feature allows you to use an external and central UNIX-based server to support thousands of users.

PAP and CHAP Security

The *Prestige* supports PAP (Password Authentication Protocol) and CHAP (Challenge Handshake Authentication Protocol). With PAP authentication enabled, the user sends the name and password in plain text. Generally, CHAP authentication is more secure since the password is scrambled prior to transmission. However, PAP is readily available on more platforms.

DHCP Support

DHCP (Dynamic Host Configuration Protocol) allows you dynamically and automatically to assign IP address settings to hosts on your network.

Call Control

Your *Prestige* provides budget management for outgoing calls and maintains a blacklist for unreachable phone numbers in order to save you the expense of unnecessary charges.

Data Compression

Your *Prestige* incorporates Stac data compression and CCP (Compression Control Protocol).

Networking Compatibility

Your *Prestige* is compatible with remote access products from other manufacturers such as Ascend, Cisco, and 3Com. Furthermore, it supports Microsoft Windows 95 and Windows NT remote access capability.

Versions:

RAS S/W Version : V2.13 | 9/15/98
BootModule : P42D, built at Mon, Apr 28 11:07:59 1998

Firmware upgrade:

Get the files from ZyXEL anonymous FTP server (example: ftp.zyxel.co.at).
Upgrade your Prestige as the following procedures:

1. Download "p128mh.bin" and "romfile0" from the FTP server.
2. Use any communication program such as PCPLUS and connect to the available COM port in the PC.
3. Power on Prestige and go to BootModule debug mode.
4. Type **atur** and upload firmware file "p128mh.bin".
5. Type **atur3** and upload configuration file "romfile0".
6. Reboot the Prestige by using the command **atgo**

Bug fixes:

Modifications in 2.13 (9/15/1998)
1. First formal release.