PROLINK®
Challenge The Limit

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PROLINK H5200P ADSL2+ Modem

PROLINK H5200 ADSL router is a high-speed ADSL2+ Ethernet router that is specifically designed to connect to the Internet and to directly connect to your local area network (LAN) via high-speed 10/100 Mbps Ethernet. The ADSL2+ modem is compatible with the latest ADSL standards, including ADSL2 and ADSL2+, and supports up to 24 Mbps downstream and 1 Mbps upstream to deliver true broadband speed and throughput.

To ensure fully compatibility, the DSL device was tested with all major DSLAMs, and support standard 10/100 Mbps Base-T Ethernet interface Auto MDI/MDIx 10/100 Switch function allowing user easily to link to PC or other Switches/Hubs. The DSL device is an idea solution for multi-users utilizing build-in channel mode (PPPoE/A, IPoA, IPoE), IP routing, NAT functionalities sharing the ADSL link. The DSL device is also a perfect solution for the residential users, it supports the users with bridge mode in host based PPPoE Client.

1.1 Hardware Interfaces

- Four RJ-45 port for 10/100 Base-T Ethernet LAN connect to PC
- One RJ-11 port for ADSL connect to DSLAM
- One reset button to default setting
- One power jack
- One power switch on/off
- LED indicators

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1.2 LED Definitions

Mode	Label	Display Color	Meaning
Power	PWR	Light	Power on, normal operation
		Off	Power off or failure
ADSL LINK	LINK	Light	WAN Connection is OK or System has bootup
		Blink	WAN is trying to connect
		Off	Connection is not established
PPP Connect	PPP	Light	Connection is OK
		Blink	Data transmitting or receiving
		Off	Connection is not established
LAN	LAN	Light	Ethernet line is connected
		Off	Ethernet line not connected
		Blink	Transforming data

1.3 Specifications

◆ **ADSL compliance**
- ANSI T1.413 Issue2
- ITU-T G.992.1 (G.dmt)
- ITU-T G.992.2 (G.lite)
- ITU-T G.994.1 (G.hs)
- ITU-T G.992.3 ADSL2 G.dmt.bit
- ITU-T G.992.4 ADSL2 G.lite.bis
- ITU-T G.992.5 ADSL+
- Auto-negotiating rate adaptation
- Annex A(ADSL over POTS) , Annex L(ReADSL)
- Maximum downstream rate of 24 Mbps
- Maximum upstream rate of 1 Mbps
- Supports Dying Gasp

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◆ **Software featur**es

■ RFC-1483/2684 LLC/VC-Mux bridged/routed mode

■ RFC-1577 Classical IP over ATM

■ RFC-2516 PPPoE

■ RFC-2364 PPPoA

■ RFC-1661 PPP

■ Bridge/Routing

● DHCP Client/Sever/Relay

● IP routing : RIP v1/v2

● Static route

● DNS Relay Agent

● Dynamic DNS

● IGMP Proxy

● 802.1d Spanning-Tree Protocol

● NAT (Network Address Translation)

● NAPT port forwarding

● DMZ support

■ **Security**

● User authentication for PPP

● PAP (Password Authentication Protocol)

● CHAP (Challenge Authentication Protocol)

■ **Firewall**

● IP/Port filtering

● MAC filtering

■ **ATM**

● ITU-T 1.610 F4/F5 OAM send and receiver loop-back

● ATM QoS : CBR, rt-VBR, nrt-VBR and UBR

● Multiple PVC : support 8 PVCs

◆ **Management**

■ Web-based configuration

■ Telnet remote management

■ SNMP v1/v2/Trap

■ Diagnostic tool

■ Firmware upgrade through FTP, TFTP and HTTP

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ISO 9001
BUREAU VERITAS
Certification

UKAS

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- UPnP support
- ACL (Access Control List)

2   OPERATION SPECIFICATIONS

2.1   Mechanical

The Mercury has the following properties:

Dimension (LxWxH) mm: 142mm*115mm*31mm

Weight: 250g

2.2   Electrical

2.2.1   Power Requirements:

The ADSL modem uses an AC adapter.

AC power adaptor: 220 VAC, 50/60Hz (can be customized)

AC voltage: 12V, 1.0A

2.2.2   Heat & Power Dissipation

Power: < 5W

2.3   Electromagnetic Compatibility

The modem is certified with FCC.

2.4   Environmental

Complies with the following standards:

- Temperature:
  - 0 to 40 degrees C (Standard Operating)
  - -40 to 70 degree C (Non-operating)
- Humidity:
  - 10% to 90% (Non-condensing, Standard Operating)
  - 5% to 95% (Non-condensing, Non-operating)
- Vibration: IEC 68-2-36, IEC 68-2-6
- Shock: IEC 68-2-29
- Drop: IEC 68-2-32

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