

Prestige 941

Cable Modem Bridge/Router



Certified by CableLabs & DOCSIS-compliant.

Prestige 941 Cable Bridge provides home users, telecommuters and small business high speed Internet access over cable network. Up to 100 times faster than 56K analog modems, this means you experience audio/videos streaming and data arriving from the Internet to your computer in real time. Just switch it on without having to dial in to your Internet Service Provider (ISP) and you are online.

Ideal for Small Office/Home Office(SOHO) applications, the **Prestige 941 Cable Router** is a router and cable modem in one. It allows you to manage your IP traffic via containment of broadcast message, provides security through routing as well as user definable filtering of IP packets, and the SUA/NAT feature gives you multiple users functionality using only one IP address to surf on the Internet.

Internet Access Benefits

- Bridge or Router depending on your requirement
- SUA (Single User Account)/NAT (Network Address Translation) enables multiple workstations on the LAN to access the Internet for the cost of only one IP address
- NAT supports PAT (Port Address Translation) and multimedia application supports (NetMeeting, CuSeeMe, ICQ, etc.)

Network Management

- Windows-based GUI configuration software
- Web-based management interface
- Menu driven system interface for easy network management
- Local and remote console management
- Software remotely upgradeable
- SNMP Agent, MIB II, Bridge MIB, Cable Device MIB, RF interface MIB
- DHCP server automatically assigns IP addresses to the workstations.
- DHCP client capability automatically gets IP and DNS server address from DHCP server at ISP. DNS Proxy replies automatically to DNS client requests.
- Support ZyNOS with high flexibility for configuration

Operation Features

- Auto-negotiating 10/100 Mbps Ethernet
- Compatible with most computer operating systems, including Windows 98/ME/NT/2000/XP, MacOS and UNIX

Mechanical & Environment

- LEDs: PWR, SYS, LAN 10M, LAN 100M, DATA, CABLE
- Dimension: 230(W) x 160(D) x 34.5(H) mm
9.05(W) x 6.3(D) x 1.36(H) inches
- Operating Temperature: 0°C to +40°C (32°F to 104°F)
- Storage Temperature: -30°C to +60°C (-22°F to 156°F)
- Humidity: 5% to 90% Non-condensing

Electrical Features

- Power consumption: 9VDC @ 1.2 Amps(maximum)
- Power Adaptor: 110/220V AC, 50~60Hz (depend on your locality)

Regulatory Approvals

- Safety Approval: UL1950
- Electromagnetic Emission: FCC Part 15, Class B

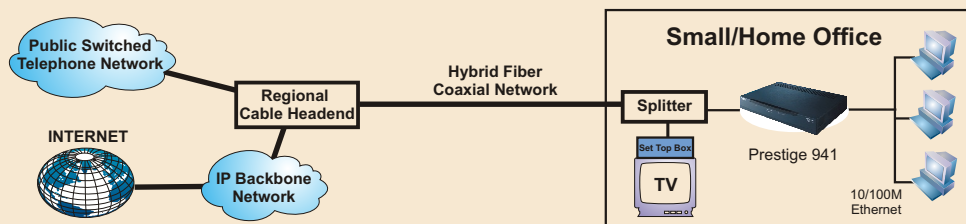
ZyXEL
TOTAL INTERNET ACCESS SOLUTION

Prestige 941

	Bridge	Router
Network Protocol		
User MAC protocol Ethernet/IEEE802.3; IEEE802.3u	Yes	Yes
Network Protocol IP, UDP, TCP, ICMP, ARP	Yes	Yes
Transparent Bridging	Yes	Yes
Routing protocol RIP 1, RIP 2	N/A	Yes
Application protocol SNMP, TFTP, DHCP Client	Yes	Yes
DHCP Server	N/A	Yes
Internet Access Sharing		
Internet Single User Account(SUA)/Network Address Translation(NAT)	N/A	Yes
Security		
Password Protected System Interface	Yes	Yes
DOCSIS Packet Filter	Yes	Yes
User Definable Packet Filter	N/A	Yes
Network Management		
Window-based GUI configuration software	N/A	Yes
Web-based Management Interface	Yes	Yes
Menu-Driven System Interface	Yes	Yes
Telnet Management	Yes	Yes
RS232 Console Port	Option	Yes
SNMP Agent, MIB II, Bridge MIB, Cable Device MIB, RF Interface MIB	Yes	Yes
Software Remotely Upgradeable	Yes	Yes
Number of LAN Users	Up to 15	Up to 64

Technical Specification

Cable Transmission Format	Downstream	Upstream
Operating Frequency	88 MHz to 860 MHz	5 MHz to 42 MHz
Channel Bandwidth	6 MHz	200 / 400 / 800 / 1600 / 3200 kHz
Input Impedance	75 ohms Nominal	
Modulation & Signaling Rates	64 QAM / 256 QAM 30.34M / 42.88Mbps	QPSK / 16 QAM 320K to 5.12M / 640K to 10.24Mbps
Input Power	-15 dBmV to +15 dBmV	
Output Power		+8 dBmV to +58 dBmV(QPSK) +8 dBmV to +55 dBmV(16 QAM)
Forward Error Correction	Reed Solomon Encoder	Reed Solomon Encoder
Encryption	56-bit DES	56-bit DES



Physical Interface

- Female "F" Type RF Connector to CATV network
- RJ-45 10Base-T Connector to the 10M/100M Hub, Switch or Computer
- Female DB-9 Pin RS232 Connector to Diagnostic Device (Router/Option)



Ordering Information

- Prestige 941 Cable Bridge
- Prestige 941 Cable Bridge with RS-232 port
- Prestige 941 Cable Router



ISO 9001 Certified



This product is based on the ZyNOS Networking Operating System with free firmware upgrades that can be downloaded as they become available. Specifications are subject to change without notice. All trademarks are the property of their respective owners.

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