



# ipRocketLink™ ADSL2/2+

## Patton Model 3101 with WiFi

The Model 3101 is a line of low cost interoperable ADSL2/2+ bridge/routers with extended reach and data rates up to 24 Mbps offering integrated Ethernet, USB, and WiFi ports.

### ADSL2/2+

Support bandwidth hungry multimedia applications up to 24 Mbps at extended distances.

### QoS Bridge/Router

Support for advanced routing with QoS and bridging including Spanning Tree and 802.1p/Q.

### Unmatched Connectivity

The 3101 comes standard with USB and WiFi interfaces and with an Ethernet or 4-port Ethernet switch.

### Software Upgradeable

Software upgrades make it easy to keep the ipRocketLink™ in service for years.

### NetLink™ Plug-and-Play

Just plug them in and the link comes up in seconds. With support for CAC, connection to the DSLAM is a snap.

### SNMP/HTTP

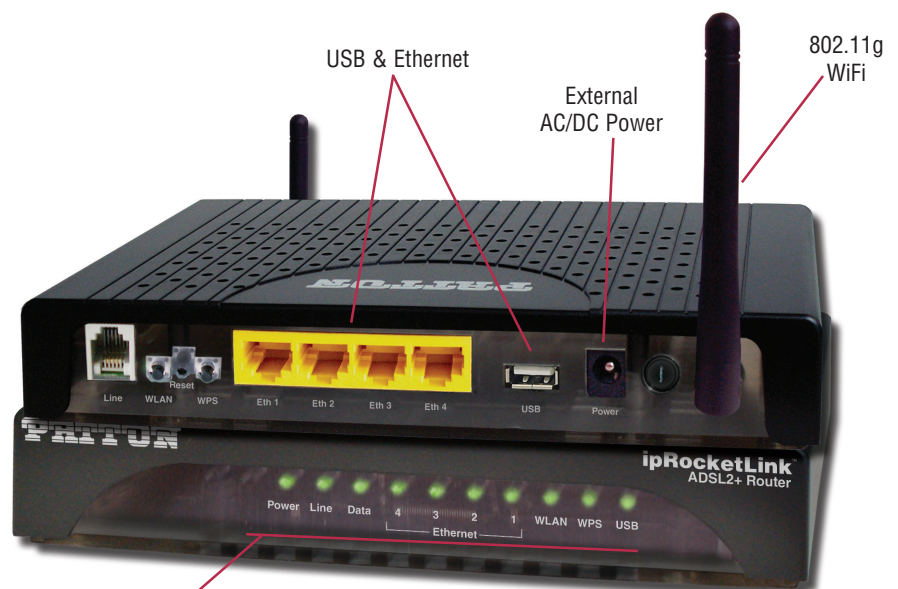
The ipRocketLink Model Series supports SNMP and HTTP/WWW-based management.

Patton's Model Series 3101 ipRocketLink™ ADSL2/2+ bridge/routers are the perfect choice for users or service providers who need triple-play ready ADSL CPE with advanced routing functionality. Based on International Telecommunications Union (ITU) and American National Standard Institute (ANSI) standards G.992.1, G.992.2, G.992.3, G.992.5 and ANSI T1.413 Issue 2, the Patton ipRocketLink bridge/routers enable providers to deliver scalable bandwidth, up to 24 Mbps, to the most demanding voice, video and data applications. The ipRocketLink likewise supports G.Handshaking per ITU G.994.1.

The ipRocketLink are designed specifically to be compatible with the most popular DSLAMs in the market. Just set the units to their default mode, send them to the remote location and plug them in. The ipRocketLink will use the ADSL-aware CAC and automatically detect the ATM PVCs and start working.

The ipRocketLink line of ADSL bridge/routers come standard with support for IPoA, PPPoA, PPPoE, and multi-protocol encapsulation over ATM. Up to eight PVCs can be configured and ATM QoS applied via a simple traffic class configuration. In addition to supporting standard RIPv1 and v2 routing, the ipRocketLink can be configured with static routes. Bridging, including Spanning Tree is supported, as well as the ability to log into standard service provider networks with PPPoE using PAP/CHAP authentication. ipRocketLink routers support many advanced firewall features including ACLs and intrusion detection with blacklisting of offenders. Common features such as DHCP and NAT/PAT with application level gateway (ALG) also come standard.

Visit [www.patton.com](http://www.patton.com) for more information.



## Typical Applications

The ipRocketLink excels in manageability:

- ✓ NetLinkPlug-and-play automatically facilitates remote unit configuration using standard ADSL CAC.
- ✓ Ethernet/USB/WiFi ports facilitates local management
- ✓ uPnP makes unit discovery a snap.
- ✓ With SNMP and HTTP/web management, the ipRocketLink can be managed from virtually any location in the world.
- ✓ RocketLink™ bridges/routers are software upgradeable with TFTP/FTP



ForeFront with 3101RC



3101 CPE

## Model 3101 and 3101/4 ADSL2/2+ Bridge/Router Specifications

### Ethernet Interface

**Model 3101:** One 10/100 Base-TX Ethernet port, IEEE 802.3/3u, RJ-45 connector; One USB 2.0 device port, type B connector

**Model 3101/4:** 4-port 10/100 Base-TX Ethernet port, IEEE 802.3/3u, RJ-45 connector; One USB 2.0 device port, type B connector

### WiFi Interface

IEEE 802.11b/g; WEP: 64 or 128 bits key length; WPA (Wi-Fi Protected Access) in PSK mode or using EAP with RADIUS; Access control list based on MAC address

### ADSL Interface

One pair (2-wire) loop, 100 Ohm line impedance with RJ-11 connector; ITU-T G.992.1, G.992.2, G.992.3, G.992.5 and ANSI T1.413 Issue 2, G.992.3, G.992.5 and ANSI T1.413 Issue 2

### OAM&P

Local: Telnet or WWW management via Ethernet; Remote: Telnet or WWW management

### ATM

ATM cells over ADSL, AAL5; 8 PVCs in bridge mode and 5 PVCs in router mode; UBR, CBR, rt-VBR, nrt-VBR and GFR traffic classes; ADSL-aware CAC (Connection Admission Control); F5 AIS, RDI, and loopback cells; Payload encapsulation: RFC2684/RFC1483—Multiprotocol Encapsulation over ATM Adaptation Layer 5, FC2225/RFC1577—Classical IP and ARP over ATM (IPoA), RFC2364—PPP over AAL5 (PPPoA)

### Bridging

RFC2684/RFC1483 bridged PDU encapsulation; IEEE 802.1D transparent bridging and spanning tree; ZIPB (Zero Installation PPP Bridge)

### Routing

RFC2684/RFC1483 routed PDU encapsulation; Point-to-Point Protocol (including

PPPoA and PPPoE) and user authentication via PAP or CHAP; TCP, UDP, ARP, RARP, IPCP, ICMP, IGMP; IP routing: static route, RIP v1 and v2; NAT/PAT with extensive ALG supports; DNS relay agent; Layer 2 tunneling protocol (L2TP)

### Security

Built-in firewall with protection against DOS attacks with blacklisting, IP spoofing, and other common types of attacks; Packet filtering at MAC layer (raw filter) and IP layer, including stateful inspection

### Configuration and Management

TRO37-compliant auto-configuration using ILMI; SNMP v1 agent – over IP, ILMI VCC or HDLC/EOC; DHCP client, server and relay for IP management; Universal Plug and Play (UPnP) support (Model 3101U); Telnet with CLI (command line interface) or Web/HTTP; TP/TFTP or HTTP for firmware upgrade and configuration; TR-069

### LEDs

PWR, WLAN, LAN, USB, WAN

### AC adapter

Input 110/220VAC, 50/60Hz; Output 15VAC 1A; Power consumption: Less than 6 Watts

### Environment

Operating Temperature and Humidity: 0 to 45°C, 5 to 95% (non-condensing)  
Storage Temperature and Humidity: -20 to 85°C, 5 to 95% (non-condensing)

### Physical Dimensions

160W x 115D x 35H mm

### Compliance

CE, CB Scheme

### USB Drivers

Driver support for Microsoft Windows 98, 98SE, ME, 2000, XP, Linux, MAC OS 8, 9 and X



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