

## ADSL2+ 4-Port Switch Wireless Router ASW910

ASW910 is an ADSL2+ router which integrates a 4-port Fast Ethernet Switch and Wireless AP. ASW910 provides high speed ADSL2+ broadband connection and sharing it with up to four computers via the LAN ports and 32 computers via the WLAN. The Router is compatible with ADSL, ADSL2, and ADSL2+ lines for worldwide ADSL deployment. ASW910 supports versatile router features, robust QoS and IGMP features to ensure high quality triple play. Not only a ADSL gateway, ASW910 is a high-performance, low-cost, single-chipset ADSL2+ router/bridge device. It is the best solution for home networking. ASW910 adopts CastleNet easy-to-use web-GUI management interface. Its user friendly interface will amaze you with total difference experience. ASW910 also supports TR-069 which enables central management from the central offices and benefit the ISP much.



### Specification / Data Protocol

#### Physical Interfaces

One ADSL port for WAN  
 Four 10/100 Mbps Fast Ethernet ports for LAN  
 IEEE 802.11 b/g Wireless AP  
 One USB 1.1 device for connection  
 One WPS button for WiFi easy and secure wireless establishment

#### ADSL Compliance

ANSI T1.413 Issue 2	READSL2	
G.992.1	G.992.2	ADSL
G.992.3	G.992.4	ADSL2
G.992.5	ADSL2+	

#### ATM protocols

Up to 8 PVCs  
 VC and LLC multiplexing  
 OAM F4/F5 loop back

#### PPP support

PPP over ATM PVC (RFC 2364&RFC1577)  
 PPP over Ethernet (RFC2516)  
 PAP, CHAP authentication supported

#### Networking Stack

**NAT** Static Port Mappings, NAT Policies.

#### Packet backbone

ICMP, ARP, RARP, UDP, TCP, Multicast, IPv4  
 DHCP Client / Relay / Server, DNS Proxy, DDNS  
 IGMP v1&v2, IGMP Proxy, IGMP Snooping

**Bridging** IEEE 802.1d Bridge

**Routing** Static route, RIP v1 / v2

#### Firewall / Security

SPI Stateful Packet Inspection Firewall  
 DOS Protection  
 Management Access Control for LAN/WAN  
 IPSEC / PPTP/L2TP Pass through  
 Port Forwarding  
 DMZ Host  
 Filtering  
 IP Filter on LAN/WAN  
 IP/MAC/URL Filtering  
 Application layer gateway for H.323, SIP, IPsec/L2TP/PPTP, etc

#### Quality of Service (QoS)

Constant Bit Rate (CBR), Real-Time Variable Bit Rate (VBR-rt),  
 Non-Real-Time Variable Bit Rate (VBR-nrt)  
 Unspecified Bit Rate (UBR)



### Features

- Comply with ITU ADSL, ADSL 2 and ADSL2+ standards
- Comply with IEEE802.3/802.3u 10/100 BASE-T standards
- Comply with IEEE802.11b/g/n Wireless LAN standards
- Integrate ADSL router/bridge, wireless AP (Access Point) together
- Enables sharing of broadband Internet connection
- Operates on 2.4 frequency band including all 802.11b/g mode
- Security supports WPA/WPA2-PSK, & 64/128-bit WEP Encryption
- Double firewalls: NAT and SPI
- Mac address filtering
- VPN pass-through
- Web-based advanced user interface
- Universal Plug and Play (UPnP)
- Support TR-069 for central management
- Remote / Local configuration & management through Web / Telnet configuration & management

## ADSL2+ 4-Port Switch Wireless Router **ASW910**



### Wireless Specification

- Standards:** IEEE 802.11b/g/n for wireless LAN
- Frequency Band:** 2.4 ~ 2.497 GHz ISM band
- Modulations:**  
 802.11g: OFDM (64QAM, 16QAM, QPSK, BPSK)  
 802.11b: CCK (11 Mbps, 5.5 Mbps)  
 DQPSK (2 Mbps)  
 DBPSK (1 Mbps)
- Data Rate:** 1, 2, 5.5, 6, 9, 11, 12, 18, 24, 36, 48, and 54Mbps
- Encryption:** Hardware-based IEEE 802.11i encryption / decryption engine  
 Includes 64-bit/128-bit WEP, TKIP, and AES
- Operating Range:** Open space: 100m ~ 300m  
 Indoor: 35m ~ 100m

#### Generation Application Features

- Handling of 10 SIP Accounts
- Display name and address
- SIP Network re-registration
- Analyzing network environment
- Debugging options, especially SIP

#### DTMF

- Inband
- SIP INFO method
- RTP Payload

#### Basic

- Tone generation / Detection
- Echo cancellation
- CID generation (Calling ID)

#### Call Features

Ordering Information	
Models	Description
ASW910	ADSL 2+ 4-Port Switch Wireless Router
	Dimension(mm): 172*136*28 (L/W/H), 0.29Kg



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