

ADSL2+ 4-Port Switch Wireless Router ASW600 Series

ASW600 is an ADSL2+ router which integrates a 4-port Fast Ethernet Switch and Wireless AP. ASW600 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. Not only support versatile router features, ASW600 supports robust QoS and IGMP features to ensure high quality triple play. ASW600 adopts CastleNet easy to use web-GUI management interface. Its user friendly interface will amaze you with total difference experience. ASW600 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

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, UPnP NAT Traversal

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
Bi-direction IP Filter on LAN/WAN
IP/MAC/URL/Keyword Filtering
Domain Blocking

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)



Feature

- 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 Wireless LAN standards
- Integrate ADSL router and wireless AP (Access Point) together
- Enables sharing of broadband Internet connection
- Works with both PCs and Mac computers
- Connects four computers/devices through the LAN ports
- Connects 32 computer/devices wirelessly
- 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
- Built-in DHCP server
- 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

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Wireless Specification

Standards	IEEE 802.11b/g for wireless LAN
Frequency Band	2.400 ~ 2.4835 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
ASW600	ADSL 2+ 4-Port Switch Wireless Router available now

*This brochure is a preliminary version for the customer comment and reference. The specification could be modification without prior notice.



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