

## ADSL2+ 4-Port Switch Wireless Router **ASW620 Series**



ASW620 is an ADSL2+ router which integrates a 4-port Fast Ethernet Switch, Wireless AP, File Server. ASW620 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. ASW620 supports robust QoS and IGMP features to ensure high quality triple play. Consider the application of home networking and sharing of file, ASW620 supports easy to use file server. ASW620 adopts CastleNet easy to use web-GUI management interface. Its user friendly interface will amaze you with total difference experience. ASW620 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  
 One USB 2.0 host port for USB mass storage  
 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)



### 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
- Easy to use file server for mass storage file sharing
- 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

Ordering Information	
Models	Description
ASW620	ADSL 2+ 4-Port Switch Wireless Router with one USB2.0 host for mass storage file sharing

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



**CastleNet Technology Inc.**

No. 64, Chung-Shan Rd. Tu-Cheng City, Taipei 236  
Taiwan.

Tel: 886-2-2267-3858 Fax: 886-2-2267-3866

E-mail: inquiry@castlenet.com.tw

http://www.castlenet.com.tw