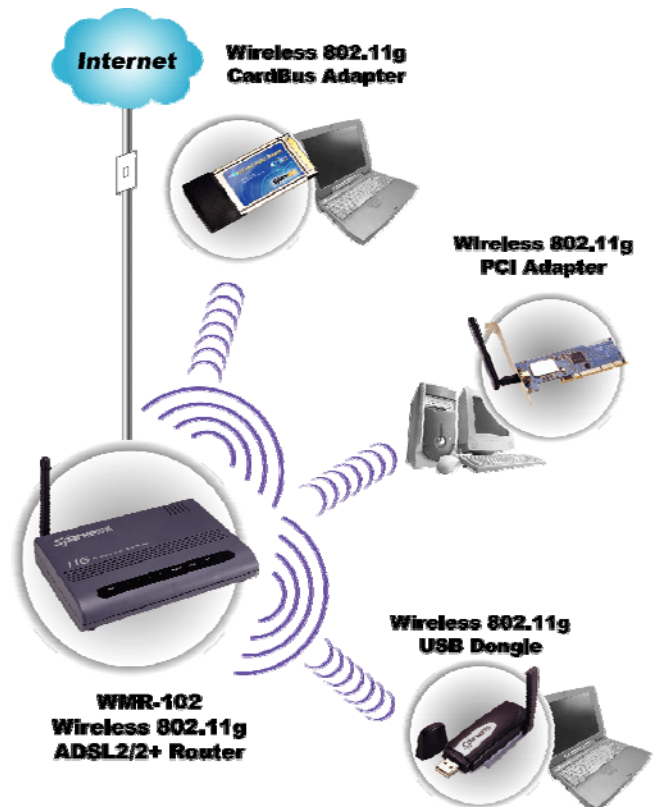# WMR-102

WLAN ADSL2+ Router

Feature Highlight

- Support TR-069 protocol (CPE WAN Management)
- Compliant to the most updated ADSL2/2+ standards
- Support ADSL2+ downstream and upstream data rate for up to 24Mbps and 1.3Mbps
- ATM layer with traffic shaping QoS support
- Built-in quick setup wizard to easily establish ADSL connection
- Embedded firewall feature for secure data communication
- IEEE 802.11g WLAN supports up to 54Mbps transmission rate
- Support WEP, WPA, WPA2 and 802.1x based encryption
- Combine broadband Internet-sharing router, 4-port 10/100Mbps Ethernet switch, and AP function
- Support UPnP specification
- Hardware reset button for fast default setting recovery
- Web-based management, configuration, and firmware upgrade
- Support Dying Gasp functionality (optional)
- Interoperable with all major DSLAMs
- Support NAT to protect user against hackers

SparkLAN WLAN ADSL2+ router is your ideal all-in-one device. Capable of downstream data rate up to 24Mbps, the ADSL2+ Modem gives you a fast connection to the Internet. In the meantime, four 10/100 Base-T Ethernet don't only provide wired broadband networking, but also the 802.11g WLAN AP offers wireless connectivity for up to 54Mbps. With the SparkLAN wireless ADSL2+ router, your computers are able to surfing the web, download music, file, video, play messengers.

Reliable Security

SparkLAN ADSL2+ router provides reliable security features such as WPA, WPA2, simple firewall, and VPN pass through. It is designed for both residential and business applications that require wireless and wired connectivity to an ADSL broadband network. The ADSL2+ Router supports up to 16 contiguous virtual connections allowing for multiple simultaneous Internet connections.

WLAN ADSL2+ Router

Specifications

Hardware	
Interface	RJ-11 ADSL connector x1 RJ-45 LAN connector x4
LED	Status LED indicator
Antenna	Fixed 2.4GHz antenna x1
Power	Power adaptor connector x1
Button	Reset for factory default setting recovery

Ethernet Interface
4 port switch interface compliant with 802.3x
Automatic MDI/MDIX crossover for 10/100 Base-T port
Auto-negotiation and speed-auto-sensing support

Radio Characteristic	
Standard	802.11b/g
Data Rates	Up to 54Mbps (Auto-Rate Capable)

Environmental	
Dimensions	160 x 120 x 1.6mm (L x W x H) PCB
Temperature	0°C to 60°C
Humidity	10% to 90% RH

Certification	
FCC Part 15, CE, EN60950 (LVD) and K.21 – main board FCC Part 15.247, 15.205, 15.209 – RF system EN 300-328-2 (ETSI 301 489-1, -17), CE-Mark – RF system	
ADSL	ANSI T1.413 i2, G.992.1 and G.992.2 ADSL standard compliant G.992.3 and G.992.5 ADSL2 and ADSL2+ standard compliant Downstream/ upstream data rate up to 24Mbps/ 1Mbps
ATM	Support up to 8 distinct PVCs Support VC and LLC multiplexing Support UBR, CBR, VBR-rt and VBR-nrt traffic shaping Qos Support ATM AAL5 adaptation functionality Support F4/ F5 OAM cells

Bridging/ Routing	RFC2684 (RFC1483) – Bridge/ Routed RFC2225 (RFC1577) – IPoA RFC2364 – PPPoA RFC2516 – PPPoE Support 802.1d Transparent Bridging NAT with extensive ALGs support Support Static Route Support RIP v1 and v2 Support DHCP Server/ Client/ Relay Support DNS Proxy Support IGMP Proxy Support Port Mapping/ Forwarding Support Port Triggering PAP and CHAP PPP Authentication
Sucurity	Support WEP/ WPA/ WPA2/ 802.1x encryption Support MAC/ Bridge/ IP/ Port filtering Support DMZ Support URL blocking Embedded firewall functionality
Network Management	Support IP QoS Web-based Control/ Management Remote Access Control Remote Telnet SNMP v2 (Support TRAP) ATM PVC Remote Management Firmware upgrade via HTTP/TFTP/FTP Built-in diagnostic function System log

Spark**LAN**
Connections Made Easy