

SL-R6801's Design Description

SL-R6801 Wireless 150Mbps Wireless Router is a DSL broadband access device which allows ADSL connectivity while providing 802.11b/g/n wireless LAN capabilities for home or office users. It supports ADSL/ADSL2/ADSL2+ standards, even offers auto-negotiation capability for different flavors (G.dmt, G.lite, or T1.413 Issue 2) according to central office DSLAM.s settings (Digital Subscriber Line Access Multiplexer). The ADSL connection is made using ordinary twisted-pair telephone line with standard RJ-11 connectors. The Router connects to an Ethernet LAN via wireless and four standard Ethernet 10/100 BASE-T interface using RJ-45 connectors. This arrangement allows wired and wireless workstations to share network resources and connect to the Internet using a single WAN interface and IP address

SL-R6801 Wireless 150Mbps Wireless Router USE a high-performance, single chip CPU. It contains a high performance 256-MHz MIPS32 processor, integrated ADSL, Ethernet PHYs, hardware SAR, dual Ethernet Media Access Controllers (MACs).Integrated ADSL transceiver and Analog Front End (AFE) supports full-rate ADSL connectivity conforming to multiple ITU and ANSI specifications, including G.dmt, G.lite, T1.413, ADSL2 and ADSL2+. In addition to the basic DMT physical layer functions, the ADSL PHY supports dual latency ADSL Framing (fast and interleaved) and the I.432 ATM Physical Layer. Quick response semi-conductive surge protect circuit, reliable surge-protect function.