



# Nokia M1921 ADSL Router & M5921 ADSL Bridge

## ADSL Broadband Internet Access

Nokia ADSL bridges/routers provide fast Internet access to homes and small offices. Internet surfing, exchange of information, and personal communications over the net all require high bandwidth. With Nokia broadband solutions, everyone can take advantage of the Internet's multitude of resources. Easy-to-use, state-of-the-art ADSL bridges/routers allow instant high-speed access to information sources all over the world.

ADSL allows for faster download rates while maintaining adequate upload speeds. This solution is ideal for the small office/home office (SOHO) environment, where the downstream traffic is typically much higher than upstream traffic.

## Multiple-Flavor ADSL Standard

The Nokia M1921/5921 offers autosensing between full-rate and G.Lite standards, so a user can be easily upgraded from a G.Lite service to a full-rate service or vice versa without the cost of a new ADSL modem or router. The unit detects the

configuration of the DSLAM and adjusts accordingly.

## Plug-and-Play Connectivity

Preconfigured with service provider's settings, the Nokia M1921/5921 can be automatically installed and work with your ADSL connection without any manual configuration.

## PPPoE Implementation for Virtual Dial-Up

Incorporating PPP over Ethernet (PPPoE) implementation, the Nokia M1921/5921 enables users as well as service providers to make use of the existing dial-up Internet infrastructure. Users don't need to pay extra for PPPoE software while still enjoying the benefits of PPPoE.

## Ease-of-Use and Management

The Nokia M1921/5921's System Management Terminal (SMT) and the embedded Web-based configurator make installation easier for the users while saving time and support effort for service providers.

- High-speed Internet access
- Ideal SOHO solution
- Multiple-flavor ADSL standard
- Autosensing DSL settings
- Plug-and-play connectivity
- PPPoE implementation for virtual dial-up
- Easy to use
- Economical and efficient

## TECHNICAL DATA

## Nokia M1921

## Nokia M5921

Ordering Information	Description	Description
	M1921 Multimode ADSL Router	M5921 Multimode ADSL Bridge
ADSL Compliance	Multimode ADSL Standard RADSL (DMT T1.413 Issue 2) G.dmt (ITU G.992.1) G.Lite (ITU G.992.2) G.hs (ITU G.994.1) Auto-negotiating rate adaptation	Multimode ADSL Standard RADSL (DMT T1.413 Issue 2) G.dmt (ITU G.992.1) G.Lite (ITU G.992.2) G.hs (ITU G.994.1) Auto-negotiating rate adaptation
ATM Protocols	ADSL physical layer support ATM Adaptation Layer Type 5 (AAL5); Multiple protocol over AAL5 (RFC 1483); VC- and LLC-based multiplexing; ATM Forum UNI3.1/4.0 PVC; Up to 8 PVCs-UBR; OAM F4/F5	ADSL physical layer support ATM Adaptation Layer Type 5 (AAL5); Multiple protocol over AAL5 (RFC 1483); VC- and LLC-based multiplexing; ATM Forum UNI3.1/4.0 PVC; Up to 8 PVCs-UBR; OAM F4/F5
PPP Support	PPP over AAL5 (RFC 2364) PPP over Ethernet (PPPoE, RFC 2516)	PPP over AAL5 (RFC 2364) PPP over Ethernet (PPPoE, RFC 2516)
Bridging	IEEE 802.1d transparent bridging Up to 128 MAC learning addresses	IEEE 802.1d transparent bridging Up to 128 MAC learning addresses
Internet Access Sharing	Single User Account/Network Address Translation (SUA/NAT) enables multiple PCs on the LAN to access the Internet for the cost of only one IP address NAT supports Port Address Translation (PAT) and multimedia applications such as NetMeeting, ICQ, CuSeeMe, etc.	
Routing Protocols	IP/IPX routing; RIP1, RIP2, and static route; IP alias; DHCP server, DHCP client, and DHCP relay; DNS relay; IP policy routing; IGMP for IP multicast	
Management	Menu-driven user's interface for text-based management Optional Web-based configuration Text-based management can be configured locally via console and remotely via telnet Trivial File Transfer Protocol (TFTP) and FTP for transferring firmware and configuration files SNMP MIB supported	Menu-driven user's interface for text-based management Optional Web-based configuration Text-based management can be configured locally via console and remotely via telnet Trivial File Transfer Protocol (TFTP) and FTP for transferring firmware and configuration files SNMP MIB supported
Security	Packet filtering for controlled access to and from the LAN Password-protected System Management Terminal (SMT) Password Authentication Protocol (PAP), Challenge Handshake Authentication Protocol (CHAP), and Microsoft CHAP	Packet filtering for controlled access to and from the LAN Password-protected System Management Terminal (SMT) Password Authentication Protocol (PAP), Challenge Handshake Authentication Protocol (CHAP), and Microsoft CHAP
Mechanical	<b>Dimensions:</b> 181 W x 128 D x 37 H mm <b>Weight:</b> 305 g	<b>Dimensions:</b> 181 W x 128 D x 37 H mm <b>Weight:</b> 305 g
Physical Interface	One RJ-11 port for ADSL connection One RJ-45 port for 10M/100M autosensing Ethernet LAN connection Power switch	One RJ-11 port for ADSL connection One RJ-45 port for 10M/100M autosensing Ethernet LAN connection Power switch
Power Requirement	<b>AC input voltage:</b> 100 to 120 VAC, 200 to 240 VAC <b>Frequency:</b> $\pm 3$ Hz <b>Power Consumption:</b> $\leq 10$ W	<b>AC input voltage:</b> 100 to 120 VAC, 200 to 240 VAC <b>Frequency:</b> $\pm 3$ Hz <b>Power Consumption:</b> $\leq 10$ W
Environmental	<b>Operating temperature:</b> 5 to 50 °C (41 to 122 °F) <b>Humidity:</b> 20 to 95%, noncondensing	<b>Operating temperature:</b> 5 to 50 °C (41 to 122 °F) <b>Humidity:</b> 20 to 95%, noncondensing