

Megabit Modem 702G2

High Performance 2 or 4 Wire Rate Adaptive G.SHDSL Bridge and Router



The G.shdsl MM702G2 provides an affordable, high performance, 4.6 Mbps connection over copper to support LAN-to-LAN or LAN-to-WAN solutions. The new 4 wire G.shdsl megabit modem increases reach by up to 30 percent.

The latest addition to ADC's family of DSL-based customer premise equipment, the MM702G2, is the ideal solution for small to medium-sized businesses and branch offices looking for cost-effective Ethernet connectivity. This versatile G.shdsl-based product can be used back-to-back for LAN extension applications or as an access modem to connect to DSLAMS.

The MM702G2 supports 2-wire G.shdsl at speeds up to 2.3 Mbps or 4-wire at speeds up to 4.6 Mbps (1 pair/2 pair copper). Designed to enable Web management and remote downloads, this easy-to-install product combines a WAN interface with complete bridging and routing functionality.

Features:

- Versatile performance supports both point-to-point and DSLAM operation
- Easy web-based management program using standard web browsers
- Built-in SNMP for remote or local management
- Serial RS-232 port for direct or dial-up management
- Easy-to-use remote code download for software upgrades
- Standard G.shdsl EOC messages for loopback and statistics
- OAM (Operation, Administration and Maintenance) F4 and F5 support for network administration and loopback test
- Reset button for unit reset
- 10/100 Base-T Ethernet port with MDI/MDI-X switch next to Ethernet port to connect directly to a PC with a straight-through cable, eliminating the need for cross-over cable
- Supports 8 simultaneous PPP or Bridge/Routing sessions allowing multiple concurrent connections to the same or different service providers with ATM QoS
- VLAN support
- Rate adaptive synchronization using G.shdsl handshake for highest rate, plus manual override for fixed rate selectable

Ordering Information

Catalog No.	Description
MM702G2-003	G.SHDSL Router, North American Power Cord
MM702G2-004	G.SHDSL Router, European Power Cord
MM702G2-005	G.SHDSL Router, UK/Ireland Power Cord

Specifications

DSL Standards	ITU-T G.991.2 G.SHDSL (Annex A and B) 2-Wire G.SHDSL up to 2.3 Mbps 4-Wire G.SHDSL up to 4.6 Mbps
ATM and WAN Standard Protocols	ATM Forum UNI Version 3.1 and UNI Version 4.0 Classes of Service: CBR, UBR, VBR-nrt; Virtual Circuits: 8 IEEE 802.1d, RIP V1 (1058), V2 (1723) transparent bridging, up to 1024 MAC address learning, static routing OAM F4 and F5 support PPPoA IETF RFC 2364 PPP over AAL5 (VC multiplexing and LLC encapsulation) IETF RFC 2684 (1483) Multiprotocol Encapsulation over AAL5, Bridge, Route PPPoE Client
Internetworking Features (TCP/IP)	PPP: 1332, 1661, 1638, 1570 NAPT, NAT1631 DHCP server and client: 2131, 2132 DNS Client / DNS Relay Dynamic IP routing, ARP: 826, RIP: 1058,1723 TCP/IP: 1112, 1122, 950, 894, 793, 791, 1812 BOOTP: 951, 1542; TFTP: 1350 Inverse ARP 1293 VLAN support, IEEE 802.1q
Security	PPP authentication - PAP/CHAP: 1334, 1994 Web and Telnet password
Management	Embedded SNMP agent, Terminal, Telnet and Web-based configuration/management tool Concise MIB: 1212, MIB-II: 1213, Traps: 1215, Bridge MIB: 1493 SNMP MIB: 1471, 1472, 1473, 1474; SNMP: 1157
Software Upgrades	BOOTP/TFTP download into built-in flash memory Remote code download via Web
Physical Specifications	Dimensions (HxWxD): 1.97 x 7.25 x 6.45 in. (5.0 x 18.4 x 16.4 cm) LEDs: Power, LAN (Link, Tx, Rx, Collision); DSL (Sync, Tx, Rx, Margin) Power Requirements: 100 -120 VAC/220- 240 VAC 50/60 HE, 6VDC, 2.0 Amps Operating Temperature: 32°F to 122°F (0°C to 50°C) Storage Temperature: -40° to 70°C Humidity Range: 5% to 95% (non-condensing)
Physical Interfaces	LAN Interface 10/100 Base-T/X (IEEE 802.3/u) Ethernet Port: RJ-45 connector with MDI/MDI-X switch G.SHDSL WAN Interface Port: RJ-11 connector Serial port interface for local configuration via RS-232: RJ-45 connector
Certifications	FCC Part 15 and 68, Class B for A1 Interface Types, CI SPR 22, Class B, CSA EN60950, IEC60950, UL60950, CE Mark
Warranty	5 years



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For a listing of ADC's global sales office locations, please refer to our web site.

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