

Megabit Modem 701G

High Performance G.shdsl
Bridge and Router



As a global company with over 66 years of experience, ADC has long been at the forefront of DSL technology. ADC has one of the most comprehensive lines of last mile solutions available in the world, including a complete family of DSL-based customer premise equipment which is comprised of modems, IAD's and bridges and routers. With this extensive line of high performance CPE, ADC enables broadband applications for small business, consumer and corporate environments.

The Megabit Modem 701G is a G.shdsl based CPE designed for consumers, businesses and carriers. The MM701G utilizes G.shdsl technology and combines a WAN interface with complete bridging and routing functionality. Designed for easy installation, the MM701G provides high performance connections from standards-based G.shdsl networks to LANs/WANs. The 701G is ideal for small to medium business Internet access, branch to branch LAN extensions or corporate branch office environments. The MM701G supports 2 wire G.shdsl with up to 2.3 Mbps connections.

Features:

- Versatile performance supports both point-to-point and DSLAM operation
- Easy session management allows for precise control of security, performance and management of users and resources per session, enabling service providers to offer additional services and class of service for Internet access, private ATM networks or connections to application servers like video servers or voice gateways
- Remote loopback tests
- Standard G.shdsl EOC messages for loopback and statistics
- Serial terminal interface port
- 10Base-T Ethernet port with MDI/MDI-X switch next to ethernet port to allow use of crossover or straight through cables
- Web browser configuration and management tool
- Built-in SNMP for remote management
- Supports 32 simultaneous PPP or Bridge/Routing sessions allowing multiple concurrent connections to the same or different service provider with ATM QoS
- OAM (Operation, Administration and Maintenance) support for network administration
- ADC Inband Management and Inband CPE code update

Ordering Information

Catalog No.	Description
MM701G-003	G.shdsl Router, North American Power Cord
MM701G-004	G.shdsl Router, European Power Cord
MM701G-005	G.shdsl Router, UK/Ireland Power Cord

Specifications

DSL Standards	ITU-T G.991.2 G.shdsl (Annex A and B) ETS 101 135 with 2 wire support 2 Wire G.shdsl up to 2.3 Mbps
ATM standards	ATM Forum UNI Version 3.1 and UNI Version 4.0 Classes of Service: CBR, UBR, VBR-nrt; Virtual Circuits: 32
Internetworking Features	PPP: 1332, 1661, 1638, 1570 NAPT: 1631 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 IP over ATM: 1577, 1755 Inverse ARP 1293
WAN Protocols	IETF RFC 2364 PPP over AAL5 (VC multiplexing and LLC encapsulation) IETF RFC 1483 Multiprotocol Encapsulation over AAL5 IETF RFC 1577 Classical IP over ATM
Security	PPP authentication - PAP/CHAP: 1334, 1994 Web and Telnet password
Management	Embedded SNMP agent, Terminal, Telnet and Web based configuration/management tool ILMI, OAM F4 and F5 support Concise MIB: 1212, MIB-II: 1213, Traps: 1215, Bridge MIB: 1493 SNMP MIB: 1471, 1472, 1473, 1474; SNMP: 1157
Software Upgrades	TFTP download into built-in flash memory Remote code download (DSLAM support required)
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: 100-240 VAC, 50/60 Hz, 1.0 A 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)
Interfaces	LAN Interface 10BASE-T (IEEE 802.3i) 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	UL1950, FCC Part 15 and 68, Class B for A1 Interface Types, CI SPR 22, Class B, CSA



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

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