

AM200

2.3Mbps xDSL Broadband Modem



● ● Features

- Data Rates 64kbps to 2.3 Mbps
- G.SHDSL - TC-PAM Line Code
- Integrated Bridge/Router Interface
- Options for one or two additional Interfaces from - V.35, X.21, RS530 or G.703 (75 or 120 ohms)
- Bandwidth allocation between interfaces
- Data Transmission on 1 Copper Pair
- Delivery of up to 2.3Mbps Data on 1Pair
- Rate Adaption - Auto Line Rate Adjustments
- LCD Front Panel Option
- Remote Modem Management
- Local & Remote Test Loops
- SNMP Management Options
- Power Supply - Universal Mains or 24V/48VDC

● ● Overview

ATL Telecom's AM200 embodies the very latest in flexible modern transmission technologies to provide your business or customers with high quality, reliable data communications. AM200 integrates many functions & features to provide combined voice and data connectivity. AM200 has an Ethernet bridge router interface as standard and can provide an additional two interfaces such as G.703 for the transport of voice. AM200s can be interconnected over UTP cables or leased lines at distances of up to 8km on 0.5mm cables.

The AM200 enables you to interconnect LANs without the need for separate routers or bridges. By using AM200 with optional G.703, a corporate PBX can be linked to a remote office PBX, or mobile base station traffic can be back-hauled over DSL. AM200 can be installed as a future-proof option for traditional TDM backhaul now, and to transport UMTS later.

AM200 brings substantial benefits to the user through its high level of integration including full G.991.2 compliant line coding, integrated universal power input, optional LCD programming, status indicators, and front panel terminal port access. The AM200's powerful built-in bridging and routing features provide a cost-effective solution for interconnecting LANs and providing access from LANs to the Internet. AM200 delivers framed, unframed or fractional E1 & Nx64kbps services.

Both its VT100 and SNMP management options are user friendly. Integral diagnostic and alarm reporting features avoid the need for extra test equipment when commissioning. Rate adaption and line degradation performance monitoring, enable operators to improve QoS and minimise downtime.

Example Application - Integrated Voice & Data Transmission



LAN Traffic connected over Ethernet interface, voice traffic connected over G.703 - configurable bandwidth across the two interfaces

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Technical Specifications

User Data Rates	64kbps to 2.3Mbps in 64kbps steps
Line Rates	192kbps to 2.3Mbps in 64kbps steps
Transmission Line code	TC-PAM; Full Duplex; G.991.2 Compliant
Interfaces & Connectors	Ethernet 10/100BaseT - RJ45 (standard on all models) Optional Customer Interfaces 2 and 3- specify from: G.703-75Ω - BNC or G.703-120Ω - RJ45; and RS530 - 25-way D, with adaptor cables for X.21 - 15-way D or V.35 - 34-way MRAC (Winchester) DSL Line - RJ45; Terminal Port - 9 way D.
Line Requirements	1 unconditioned twisted pair (e.g.EPS9)
Operating Range Examples	512kbps - 7.8km on 0.5mm; 6.2km on 0.4mm 2Mbps - 5.3km on 0.5mm; 4.4km on 0.4mm
Timing/Clocking	Internal, External or Transparent
Test Loops	X.150, Local-3c, Loopback-2b, V.54, Remote loop
Diagnostics	Self Test, Data Tests with PRBS511
Power Supply	Universal AC Mains Input or 24V/48V DC Input
Power	Fully Loaded 1-pair system : 3.8W
Environmental	Temp: -10°C to + 45°C; Humidity: Max. 90% non-condensing
Dimensions	HxWxD - 50 x 220 x 200mm
LED's	User Port, Line & Test
Modem Configuration	Via Terminal port; VT100 or SNMP; Web browser interface Option for front panel configuration using LCD

Ordering: AM200A Universal mains, single-pair standalone with Ethernet Bridge Router 10/100baseT Interface.
Options: 24V/48V DC, V.35, X.21, RS530, G.703-75, G.703-120 (Interfaces). Front panel LCD programming.

ATL Telecom Limited

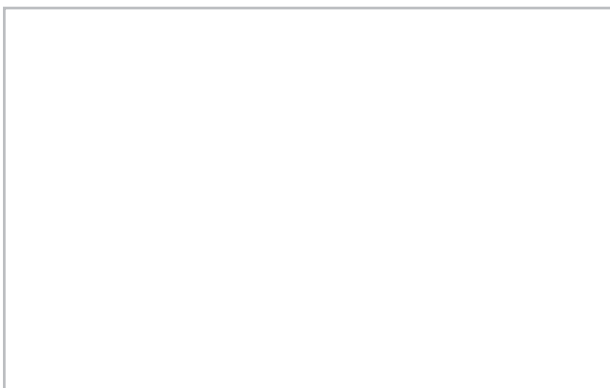
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