



The Model 2004 is a temperature hardened, Ethernet DSLAM, capable of transporting voice, video, and high-speed data services to 24 customers from a single rack space. A range of bandwidth choices are available to deliver from 129kbps to 26Mbps per customer using ADSL, ADSL2, ADSL2+, or G.shdsl services. Passively cooled, it does not require fans and is able to operate across the extended temperature range of -40°C to +65°C.

### SYSTEM FEATURES

- 24 Ports in a Single Rack Space
- Electrical & Optical Network Interfaces
- ADSL, ADSL2, ADSL2+, G.shdsl Supported
- Environmentally Hardened (-40° to +65°C)
- Passively Cooled (No Fans)
- VLAN (802.1Q) & IGMP Support
- Ethernet Switching capability
- Compact Design
- Scalable System
- Bridging (802.1D) Capability
- Integrated POTS Splitters
- Centralized Management
- Mixed xDSL Services from a Single Site

### SYSTEM DESCRIPTION

Service Providers delivering high-speed internet or video services can now do so without investing in ATM-backbone networking equipment. The Model 2004 uses high capacity, low-cost ethernet network interfaces to provide symmetric, or asymmetric xDSL services. It is an ideal solution for indoor or outdoor deployments in Central Offices, Remote Cabinets or MxU environments. It can be deployed as a stand alone unit to deliver 24 ports of xDSL service, or as a scalable system capable of delivering mixed xDSL services from a single site. Its passive cooling design requires no fans to maintain, and provides the Model 2004 with an extended life cycle as an additional economic benefit.

Controlled and configured through powerful local and remote management systems, the Model 2004 allows the user to take full advantage of all its capabilities.

Building on the success of FASTmux Models 2000 and 2003, the Model 2004 complements the FASTmux product family by offering advanced capabilities while maintaining the high quality of previous models.



## DATA SHEET

### FASTmux Model 2004



*Delivering Video,  
High-Speed Data  
and Voice capabilities  
to remote IP networks*

#### Product Specifications

Ports per unit	24
Power:	-36 to -56V DC
Operating Environment:	-40C to +65C; 0% to 95% non condensing humidity
Dimensions: 1 RU	(4,4 cm x 44,2 cm x 24 cm) (1.75 x 17.5 x 9.4 in)
<b>Interfaces</b>	
Network Side:	10/100 Base-Tx Ethernet 10/100 Base-Fx Ethernet
Subscriber Side:	ANSI T1.413 Issue 2 ITU-T G.992.1 G.dmt ITU-T G.992.2 G-lite ITU-T G.991.2 G.shdsl ITU-T G.992.3 ADSL2 ITU-T G.992.4 G-lite.bis ITU-T G.992.5 ADSL2+
Standards conformance	IEEE 802.1d IEEE 802.1p IEEE 802.1q IEEE 802.3 IEEE 802.3u IEEE 802.3x IETF RFC1483
POTS/ISDN splitters	Built-in

#### Management

Local and Remote Management  
Web-based GUI  
Telnet  
SNMP v.2  
Full FCPS support

#### Available Models

Models with ANSI Splitters  
2004-E-AA (ADSL)  
2004-E-AA2 (ADSL2)  
2004-E-AA2+ (ADSL 2+)

Models with ETSI Splitters  
2004-E-AE (ADSL)  
2004-E-AE2 (ADSL2)  
2004-E-AE2+ (ADSL 2+)

Patent pending.

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