

## AT ORCHID AM2(B)

### Introduction

The SHDSL (Symmetric High Speed Digital Subscriber Loop) ATM bridge modem complies with G.991.2 standard optimized for small to medium size business environment. It provides business-class, multi-range from 64kbps to 2.304Mbps symmetric payload rates over existing copper wire.

Because of rapid growth of network, virtual LAN has become one of the major new areas in internetworking industry.

The SHDSL bridge modem support 10Base-T /100Base-T auto-negotiation and auto-MDI/MDIX LAN port to meet the enterprise need.

The SHDSL ATM bridge modem allows customers to leverage the latest in broadband technologies to meet their growing data communication needs. Through the power of SHDSL modem products, you can access superior manageability and reliability.

### Features

- Easy configuration and management with password control for various application environments
  - Efficient ATM bridge modem to support broadband Internet services
  - 10/100Mbps Auto-negotiation and Auto-MDI/MDIX port for flexible local area network connectivity
  - Fully ATM protocol stack implementation over SHDSL
  - SNMP management with SNMPv1/SNMPv2 agent and MIB II

#### **ANDA Telecom Pvt. Ltd.**

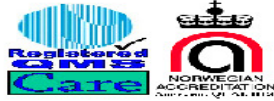
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- Getting enhancements and new features via Internet software upgrade

## - Specification

### **Bridging**

Up to 1024 MAC address learning bridge  
IEEE 802.1D STP (Spanning tree protocol)

### **Management**

Easy-to-use web-based GUI for quick setup, configuration and management

Menu-driven interface and Telnet access

Password protected management and access control list for administration

SNMP management with SNMPv1/SNMPv2 (RFC1157/1901/1905) agent and MIB II (RFC1213/1493)

Software upgrade via web-browser/TFTP server

### **ATM**

8 PVCs

AAL5

OAM F4/F5 loop back test

### **ATM QoS**

UBR (Unspecified bit rate)

CBR (Constant bit rate)

VBR-rt (Variable bit rate real-time)

VBR-nrt (Variable bit rate non-real-time)

### **AAL5 Encapsulation**

VC multiplexing and SNAP/LLC

Ethernet over ATM (RFC 2684/1483)

### **WAN Interface**

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SHDSL: ITU-T G.991.2 Annex A/B supported

Encoding scheme: 16-TCPAM

Data Rate: N x 64Kbps ,N=1~36

Impedance: 135ohms

### **LAN Interface**

10/100 Base-T auto-sensing and auto-negotiation

Auto-MDI/MDIX

### **Hardware Interface**

WAN: RJ-45

LAN: RJ-45x1

Console: RS232 female

Reset Button: Reset button for factory default

DC power input: DC9V

### **Indicators**

General: PWR

WAN: LNK, ACT

LAN: 1-port

SHDSL: ALM

### **Physical/Electrical**

Dimensions: 16.3 x 4.4 x 13.5cm (WxHxD)

Power: 100~240VAC (via power adapter)

Power consumption: 9 watts maximum.

Temperature: 0~45°C

Humidity: 0%~95%RH (non-condensing)

### **Memory**

2MB Flash Memory,8MB SDRAM

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