



ATAN4848

The fastest speed with the most advanced and flexible DSL transport available, adjustable speeds for multiple service offerings down/up stream Up to 24/1.2 Mbps

- Application flexibility, with asymmetric data transport over a single copper pair (software configurable)
- Compliant with ITU, ANSI and ETSI standards
- POTS/ISDN in overlay mode
- Deployment from CO, cabinet or basement, multi-tenant units/multi-dwelling units

Specification

ADSL2/ADSL2+ Interface

- Support G.992.3 and G. 992.5 ATM Transmission Convergence (ATM-TC) function
- Support G.992.3 and G.992.5 Spectral Mask
- Support EOC and Overhead Channel Access defined in ITU-T Rec. G.992.3 and ITU-T Rec. G.997.1
- Support the latency path function specified in ITU-T Rec. G.992.3 and G.992.5
- Support loop diagnostic function specified in ITU-T Rec. G.992.3 and G.992.5
- Support the power management capability specified in ITU-T Rec. G.992.3 and G.992.5
- Support the capability of the Seamless Rate Adaptation (SRA) on-line configuration specified in ITU-T Rec. G.992.3 and G.992.5

Network Interface

- IEEE 802.3u 100BASE-TX
- IEEE 802.3ab 1000BASE-T
- IEEE 802.3z 1000BASE-LX/1000BASE-SX
- SFP mini GBIC

ANDA Telecom Pvt. Ltd.

ISO 9001:2000 Certified Company

Registered office : E-36, Amar Colony, Lajpat Nagar-IV, New Delhi - 110024, INDIA

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ATM Functionality

- Support Point-to-Point Virtual Circuit Connection (VCC) in the Network
- Provide the Peak Cell Rate (PCR) configurable parameter for UBR services specified in ATM Forum Traffic Management 4.0
- Provide the Peak Cell Rate configurable parameter for CBR services specified in ATM Forum Traffic Management 4.0
- Provide the Peak Cell Rate (PCR) and Sustainable Cell Rate (SCR) configurable parameters for rt-VBR and nrt-VBR services specified in ATM Forum Traffic Management 4.0
- The over-subscription of bandwidth is permitted, i.e., total DSL bandwidth can be larger than bandwidth of DSLAM network interface for UBR service
- Support the downstream traffic shaping function for each ATM PVC connection
- Support the Fault Management (FM) functions of the ATM layer F5 OAM cells for End-to-End Loopback defined in ITU-T Rec. I.610
- Support 64k PVC

IP Functionality

- Support ICMP (Internet Control Message Protocol) function, and respond the ICMP request message sent from NMS or other system

Subscriber Management

- Support the Ethernet MAC filtering function
- Support 64k MAC addresses
- Support the DHCP relay agent option 82 function
- Support 802.1x
- Support port isolation function
- Support RFC2684 bridged mode payload encapsulation method
- Support the IPSec/L2TP/PPTP VPN pass-through function
- Support RFC2516 PPPoE packet forwarding function

VLAN & VLAN Bridge Functions

- Provide 1024 configurable VLANs
- The VLAN tagging complies with IEEE 802.1Q
- Support VLAN bridge function of mapping of multiple PVCs to one VLAN ID
- Support the IEEE 802.1Q VLAN tagging
- Support GVRP function

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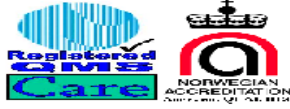
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Reliability

- Support 802.1w RSTP

QoS

- Support configurable IEEE 802.1p priority queue function and support 4 levels
- Support configurable mapping function between ATM PVC and 802.1p priority queue

Multicast capability for IP network interface

- Support RFC2684 bridged mode multicast service
- Support Internet Group Management Protocol (IGMP) version 2 specified in RFC2236
- Support IGMP snooping function
- Support 256 multicast groups
- Support 144 copies for each multicast group

Management

- Local management through a craft terminal
- Support the In-band IP interface for managing the Network
- Support SNMP (Simple Network Management Protocol) v1.0 & v2c (RFC1157)
- The management activities can be performed by SNMP operations
- Support SNMP MIB(s)
- Support standard SNMP traps so that these traps can be reported to other NMSs
- Centralized Management Software – EMS supporting

Hardware Configuration

- Two TELCO-50 connectors for 48-port ADSL/ADSL2/ADSL2+
- Two TELCO-50 connectors for 48-port splitter card
- One mini RJ11 console port for local management
- Two 100Base-TX/1000Base-T or two mini GBIC for uplink/subtending
- One DB9 for 3 in and 1 out alarm contact
- Hot-swappable fan module
- DC Input connector

Power Requirements

- Voltage: -220VAC
- Power: max. 90Watts

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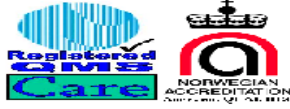
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Physical Specifications

- 19" and 23" Rack-mountable
- Force cooling by FAN
- Temperature hardening
- Built-in splitter
- Dimension: 442.7 (W) x 250 (D) x 66 (H)mm
- Weight: 7.2 Kg

Environmental Specifications

- Operating Temperature: -40°C to 65°C
- Storage Temperature: -40°C to 85°C
- Operating Humidity: 10% to 95% (non-condensing)
- Storage Humidity: 5% to 95% (non-condensing)

Certification

- EMC/ESD: FCC part 15 Class A; EN 55022, EN 55024 Class A; ETS 300 386
- Safety: ITU-T K.20, Appendix C; CSA 60950; EN 60950; IEC 60950 ; UL 60950
- Reliability : ETS 300 019

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