

## VDSL CPE Bridge/Router

### “AWARD”



#### Introduction

The Metanoia Communications **AWARD** is a Long Reach Ethernet (LRE) module with four Ethernet ports (on 1 RJ-45 connector) and one VDSL port (on RJ-11 connector or BNC connector). Up to 100/60 Mbps transition bandwidth within 300m and 40/10 Mbps for 1km long range connections provide ultra-high performance to the pervasive telephone line network, and it has the advantage of minimum installation time and minimum installation expense by allowing video streaming and data to share the same telephone line without interference.

The AWARD CPE bridge/router can be easily configured through either web-based management software or Linux command line interface. High performance routing 100/60 Mbps with hardware L4 QOS is suitable on P2P, MOD application. SNMP with rich MIB support is suitable for area network deployment. VDSL with standard MIB supported can be deployed on different noisy environments.

The Metanoia Communications LRE solution including the CO (Central Office) site module HOPE and CPE (Customer Premise Equipment) site module AWARD (or AERO) delivers everything which needed to quickly deploy a high-speed IP-based network for providing high-speed Internet access, video-on demand services, and voice services. The resulting compact, cost-effective form factor offers an attractive LRE solution for system integrators, small business and building owners.

#### Features

- ◆ 1 full-duplex VDSL links via RJ-11/BNC connectors
- ◆ 1 corresponding POTS/ISDN lines via RJ-11 connectors
- ◆ 4-port 100MB switch for Ethernet use
- ◆ Hardware L2,L3,L4 QoS Management with 4 priority queue via web-base interface
- ◆ Tx/Rx 64k based bandwidth control
- ◆ VLAN isolation supported
- ◆ Configurable Bridge/Routing mode
- ◆ Wire speed bridge/routing mode
- ◆ DHCP server/ DHCP client/Static IP
- ◆ Port forward supported
- ◆ NTP client
- ◆ Firewall/ACL supported
- ◆ Optional software L7 QOS supported
- ◆ SNMP supported
- ◆ Supports VDSL MIB RFC-3728 standard
- ◆ Supports VDSL MCM MIB RFC-4070 standard
- ◆ Supports MIB: IP, IF, TCP, UDP, SNMP v2, TCP/IP, Ethernet
- ◆ Supports remote system management through SSH
- ◆ Utility to management multiple devices
- ◆ Compliant with ETSI, ITU and ANSI standards
- ◆ Web firmware/system upgrade

#### Specifications

- ◆ Board dimension: 155mm x 142 mm
- ◆ Power supply: DC 9 Volt over 3.5mm DC jack.
- ◆ Power consumption: 6 Watt maximum.
- ◆ Interface: RJ-11 female Phone Jack  
RJ-45 female Ethernet jack
- ◆ WAN: Full 10/100 Ethernet support with auto MDX.
- ◆ Standard: Full ITU-T G.993.1 (VDSL) and G.997.1 compatible.
- ◆ Pass EMI: FCC-B, VCCI-A
- ◆ Surge protection K21/K20 4KV
- ◆ Operation temperature : -20 – 60 C

26 AWG, Band plan 998 ISDN



26 AWG, Band plan symmetric ISDN



BNC 5C2V, Band plan 998 ISDN



BNC 5C2V, Band plan symmetric ISDN

