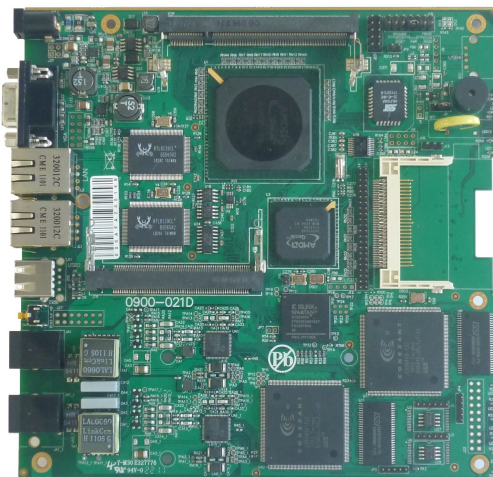


Geos Dual ADSL2+ x86 Router / Appliance



Key Features:

High Speed

Fast downloads with speeds up to 2x 24Mbps. Fast upload speeds up to 2x 2.5Mbps (Annex M) or 2x 1Mbps (Annex A). Bonding is via ML-PPP or 3rd party software.

Linux Support

Open Source ADSL2+ drivers for 2.6 and 3.0 Linux kernels. These drivers are part of the standard Linux Kernel source (2.6 / 3.0 kernels) or can be downloaded from SourceForge.

500MHz x86 CPU

The Embedded AMD LX-800 CPU runs standards x86 Linux, thus eliminating the need to port drivers or applications.

Dual Ethernet

independent Ethernet ports (non switched), for multiple networks or redundancy.

Expansion Options

Via standard Mini-PCI cards or Geos-Plugins for WiFi, Satellite, 3G, WiMax and 4G/LTE interfaces.

The Geos ADSL2+ x86 Router Appliance integrates mature ADSL2+ technology with a practical x86 Embedded CPU. This provides a versatile hardware platform for Software developers, OEMs and Systems Integrators with adequate performance to value add.

The applications for the Geos include Router/Firewalls, Internet appliances, data loggers and VOIP gateways just to name a few.

The ADSL ports on the Geos can be bonded together for extra bandwidth or can operate independently. When operated independently different traffic types can be routed on separate ports, eg one for IP Data, the other for VOIP. Alternatively the two ports can also be used for redundant links, with different carriers or even different ADSL types.

For Router / Firewall applications, a pre-compiled Open-WRT image is available. Other application a standard Debian image is available.

The Compact Flash interface supports cards sizes from 128MB to 32GB, plus an IDE interface for a 2.5" HDD. DDR400 RAM is available in 256MB or 512MB sizes

Available in Single and Dual ADSL model variants.

Specifications :**Hardware Features**

- Single or Dual ADSL2+ ports
- AMD Geode LX800 500MHz CPU
- DDR400 SO-DIMM RAM (256 or 512MB)
- 2x 10/100 Ethernet ports
- USB Port
- Mini-PCI socket
- Compact Flash Socket
- 44 Pin IDE Header
- RS-232 Serial Console port
- Open Source BIOS (Coreboot)

ADSL Standards

- G.992.1 (G.DMT) Annex A
- G.992.3 (ADSL2) Annex A
- G.992.5 (ADSL2+) Annex A
- G.992.5 (ADSL2+) Annex M

Network Protocols

- PPP over ATM (RFC 2364 PPPoA)
- PPP over Ethernet (RFC 2516 PPPoE)
- Bridged Ethernet over ATM (RFC 1483)

Linux Support

- 2.6 and 3.0 Linux kernels
- Native ATM class device

Power Supply

- 12VDC +/- 5%
- Typical power consumption : 12W (Dual ADSL)
- Max. power consumption : 35W (Dual ADSL + Wifi + 3G)

Standards Compliance**Europe**

- EN55022 - CSPIR 22 (EMC)
- EN55024 - CSPIR 24 (Immunity)

Australia

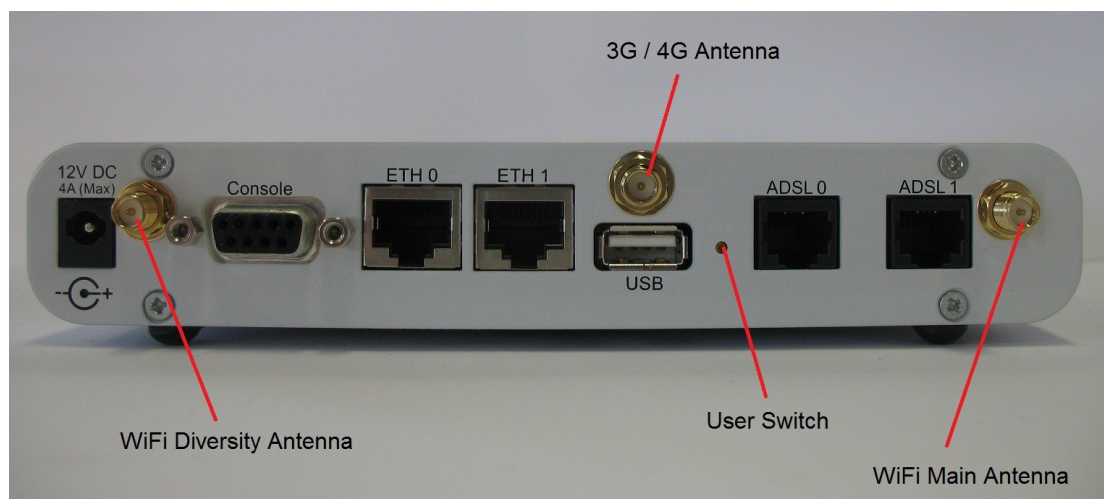
- AS/NZS 60950 (Safety)
- AS/ACIF S041 (ACMA)
- AS/ACIF S043 (ACMA)
- AS/NZS CSPIR 22:2006 (ACMA)

Physical Dimensions

Aluminium Enclosure :
177mm x 177mm x 33mm (LxHxW)
PCB Only :
174mm x 170mm x 20mm

Environmental

- Lead Free
- RoHS Compliant

Rear view :**Ordering Information :**

See www.traverse.com.au

Traverse Technologies Australia ACN 078 657 324

Unit 13, 240 Sydney Rd., Coburg

Victoria 3058 AUSTRALIA

Tel : +61 3 9386 4430 Fax : +61 3 9386 4430

www.traverse.com.au