



Network Extender
Technologies

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SHDSL CPE Router

SIA2410R



SHDSL Subscriber Unit with Routing capabilities

Overview

The SIA2410R provides a robust routing feature set for seamless integration of SHDSL utilizing a single copper pair to enable high-speed symmetrical bandwidth. SHDSL provides up to 2.3Mbps of symmetrical bandwidth over single pair copper lines.

Net to Net Technologies' SHDSL Router-based subscriber units terminate SHDSL lines from the IP DSLAM family of access multiplexers, including the IPD12000, IPD4000, SHDSL MiniDSLAM and SHDSL MicroDSLAM.

The SIA2410R units can also be used in a back to back deployment to provide point to point configuration allowing broadband service providers to deploy single DSL lines economically. This provides an upgrade path for future deployments, using Net to Net's IP DSLAMs.

The SIA2410R is consistent with Net to Net's DSL the Easy Way™ architecture, providing Ethernet-based connectivity and making configuration requirements automated, allowing this device to be installed into the customer premise quickly.

Four 100BaseTX Ethernet ports provide a switched Ethernet LAN capability for connection to the SOHO or SME with multiple LAN or PC connections. The SIA2410R runs standard SHDSL (TC-PAM) encoding.

Features

- Network Address Translation (NAT) support
- Automatic Bandwidth setup procedures
- Fully managed with SNMP, CLI and web browser management options
- Trivial File Transfer Protocol (TFTP) support for simplified system upgrade
- Dynamic Host Configuration Protocol (DHCP) for dynamic assignment of IP addressed to minimise local set up time
- LED Diagnostics for at a glance trouble shooting

Specifications

Dimensions

1.4" H x 9.0" W x 6.5"
D (3.5cm H x 23cm W
x 16.5cm D)
Desktop or Wall
Mounting

Weight

0.5kg (1.1 lbs)

Power

+5VDC powered by
external Power Supply
Module

Interfaces

SHDSL 1 port RJ-11
Ethernet Switch 4 ports
RJ-45 10/100Mbps
Console 1 port RS232

Standards Support

ITU G.992.1 Full Rate
G.DMT
ITU G.991.2 G.Lite

Protocol Support

Routing - IP, RIP1 and RIP2
Bridging - Transparent Bridging
SHDSL - G991.2 HDLC, PPP, Frame Relay
Management - CLI Console (RJ45) Telnet, SNMP MIB-II, HTTP
(Hypertext Transfer Protocol) Server, Diagnostic LEDs for power
on/off, LAN - Collision and Link 1-4, WAN - Sync, Tx-Data and
RX-Data
Telnet
TFTP (Trivial File Transfer Protocol)
Proxy ARP (Address Resolution Protocol)
NAT (Network Address Translation)
DHCP (Dynamic Host Configuration Protocol) Relay
DHCP (Dynamic Host Configuration Protocol) Server

Bandwidth/Distance

From 272 Kbps to 2.3Mbps

Regulatory Compliance

NEBS: GR-63-CORE, GR-1089-CORE
EMC: FCC Part 15; CSA C108.8; EN55022; EN55024, CE Marking
Safety: UL1950, CSA C22.2 No. 950, EN60950, IEC950, CE
Marking

Operating Requirements

Operating Temperature: 0C to 50C
Humidity: 5% to 95%, non-condensing

Ordering Information

SIA2410R SHDSL CPE Router

