PARADYNE®

SHDSL Network Extenders 2000
SNE2000G-S, SNE2000G-P, SNE2000VG-S, SNE2000VG-P

High speed packet based SHDSL Network Extender/CPE

Overview

SDSL/SHDSL provides up to 2.3Mbps of symmetrical bandwidth over single pair copper lines. Net to Net Technologies' SDSL/SHDSL Network Extender subscriber units terminate SDSL/SHDSL lines from the IP DSLAM family of access multiplexers, including the IPD12000/IPD12000E, IPD4000/IPD4000E and SDSL Mini and MicroDSLAMs.

The SNE2000 provider units can be used with the subscriber units in a back to back deployment to provide point to point configuration. This allows broadband service providers to deploy single DSL lines economically when required for low density geographical areas or during start up mode.

The use of the Provider unit for single SHDSL link deployments provides an easy upgrade path for future multi port deployments, using Net to Net Technologies; IP DSLAMs. The subscriber unit can remain in place so no changes are needed at the customer premises and the provider unit can be changed out for an IP DSLAM. To protect investment in the provider uits they can be easily converted to subscriber units using the conversion kit and redeployed in the service providers network.

Because the SNE2000 is fully DSL The Easy Way™ compliant, configuration requirements are removed completely, allowing this device to be installed into the customer premise quickly. The SNE2000 uses the DSL The Easy Way™ Packet based architecture utilizing 100% packet based technology for optimum throughput and reliability.

The SNE2000 products can run CAP, 2B1Q or the SHDSL (TC-PAM) encoding.

Features

- DSL the Easy Way™ Architecture delivers plug 'n' play Loop Bonded ADSL lines with NO configuration requirements

- Supports selectable data rates up to 2.3Mbps (symmetrical)

- Can be used with any Net to Net Technologies SHDSL IP DSLAM, or in point-to-point configurations

- Connects directly to any 10/100 Mbps Ethernet port on a PC or LAN

Specifications

Dimensions
1.25" (3.2cm) High x 5.5" (14cm) Wide x
4.5" Deep (11.5cm)

Weight
0.6 lbs (0.28 kg)

Power
100-125VAC @ 1.0A
200-240VAC @ 0.5A

Interfaces
1 SDSL Hybrid RJ11/RJ45 (CAP, 2B1Q or
SHDSL (TC-PAM) encoding)
1 Ethernet RJ45
DSL The Easy Way™ compliant

Standards Support
IEEE 802.3 Ethernet
ITU G.991.2 G.SHDSL

Protocol Support
Transparent Bridging

Bandwidth/Distance
8 switchable data speeds from the provider unit - 272kbps, 400kbps 528kbps,
784kbps, 1040kbps, 1552kbps, 2064kbps and 2320kbps
9 switchable data speeds from the DSLAM Management - as above plus 144kbps

Regulatory Compliance
EMC: FCC Part 15; CSA/C108.8; EN55022; EN55024
CE Marking
Safety: UL1950, CSA C22.2 No. 950; EN60950
CE Marking

Operating Requirements
Temperature: 32°F to 122°F (0°C to 50°C)
Non-operating temperature: -40°F to 158°F (-40°C to 70°C)
Humidity: 5% to 95%, non-condensing
Altitude: -200ft to 16,500ft (-60m to 5,000m)

Ordering Information

For units which support data and voice over SHDSL see the SNE2000V.	
For 2-line (up to 4.6Mbps) and 4-line (up to 9.2Mbps) SHDSL loop bonding see the SNE2020 and SNE2040.	
SHDSL (TC-PAM encoding)	
SNE2000G-KIT-1	SHDSL (Data) Point-to-Point kit, includes one SNE2000G-S and one SNE2000G-P (TC-PAM encoding)
SNE2000G-S	SHDSL (Data) Subscriber unit, G.SHDSL (TC-PAM encoding)
SNE2000G-P	SHDSL (Data) Provider unit, G.SHDSL (TC-PAM encoding)
SDSL (CAP encoding)	
SNE2000-KIT-1	SDSL (Data) Point-to-Point kit, includes one SNE2000-S and one SNE2000-P (CAP encoding)
SNE2000-S	SDSL (Data) Subscriber unit (CAP encoding)
SNE2000-P	SDSL (Data) Provider unit (CAP encoding)
SDSL (2B1Q encoding)	
SNE2000Q-KIT-1	SDSL (Data) Point-to-Point kit, includes one SNE2000Q-S and one SNE2000Q-P (2B1Q encoding)
SNE2000Q-S	SDSL (Data) Subscriber unit (2B1Q encoding)
SNE2000Q-P	SDSL (Data) Provider unit (2B1Q encoding)
Conversion Kits	
SNE2000G-P-CNV	Conversion Kit from Provider Unit to Subscriber Unit consists of PROM and replacement label (TC-PAM encoding)
SNE2000-P-CNV	Conversion Kit from Provider Unit to Subscriber Unit consists of PROM and replacement label (CAP encoding)
SNE2000Q-P-CNV	Conversion Kit from Provider Unit to Subscriber Unit consists of PROM and replacement label (2B1Q encoding)