

**SHDSL Network Extenders 2000**  
**SNE2000G-S, SNE2000G-P, SNE2000G-Kit-1**



**High speed packet based SHDSL Network Extender/CPE**

**Overview**

Paradyne's family of EFM Based Network Extenders provide an extremely flexible and easy to use solution for providing Ethernet based services to subscribers throughout the service providers network.

Paradyne's EFM Based SHDSL Network Extenders provide a simple method to provide point to point services. 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. In addition the subscriber units terminate SHDSL lines from the IP DSLAM family of access multiplexers, including the 12000 BLC/ 4000 BLC and SHDSL Mini and MicroDSLAMS.

The use of the Provider unit for single SHDSL link deployments provides an easy upgrade path for future multi port deployments, using Paradyne's IP based 12000/4000 BLCs. 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 based 12000/4000 BLC. To protect investment in the provider units they can be easily converted to subscriber units using the conversion kit and redeployed in the service providers network.

Because the SNE2000G is fully DSL The Easy Way™ compliant, configuration requirements are removed completely, allowing this device to be installed into the customer premise quickly. The SNE2000G uses the DSL The Easy Way™ Packet based architecture utilizing 100% packet based technology for optimum throughput and reliability.

**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 the 12000/4000 BLCs, and the SUD2011 and SMD2000 mini DSLAMS, or in point-to-point configurations

**Benefits**

- 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 2-line (up to 4.6Mbps) and 4-line (up to 9.2Mbps) SHDSL loop bonding see the SNE2020 and SNE2040.

### SNE2000G Kits

SNE2000G-KIT1US	SHDSL Point-to-Point kit, includes one SNE2000G-S and one SNE2000G-P with North American Power Supply
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SNE2000G-KIT1EU	SHDSL Point-to-Point kit, includes one SNE2000G-S and one SNE2000G-P with European Power Supply
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SNE2000G-KIT1UK	SHDSL Point-to-Point kit, includes one SNE2000G-S and one SNE2000G-P with UK Power Supply
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### SNE2000G Single Units

SNE2000G-S-US	SHDSL Subscriber unit with North American Power Supply
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SNE2000G-S-EU	SHDSL Subscriber unit with European Power Supply
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SNE2000G-S-UK	SHDSL Subscriber unit with UK Power Supply
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SNE2000G-P-US	SHDSL Provider unit with North American Power Supply
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SNE2000G-P-EU	SHDSL Provider unit with European Power Supply
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SNE2000G-P-UK	SHDSL Provider unit with UK Power Supply
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### Conversion Kits

SNE2000G-P-CNV	Conversion Kit from Provider Unit to Subscriber Unit consists of PROM and replacement label (TC-PAM encoding)
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For additional information on this or any Paradyne product or service, contact the office nearest you or dial 1.800.727.2396 (USA and Canada) or 1.727.530.8623; fax 1.727.530.8216. For international locations, visit the Paradyne web site at <http://www.paradyne.com>