

SHDSL Network Extender 2040

SNE2040G-S, SNE2040G-P, SNE2040G-Kit



Four Port Loop Bonding SHDSL Network Extender/Subscriber Unit

Overview

The SNE2040 allows Carriers, ISPs and PTTs to deliver Ethernet services to virtually anywhere, using standard SHDSL circuits. The SNE2040 offers up to 9.6Mbps of extremely reliable and efficient Ethernet service over the WAN, delivering the bandwidth required to support a sophisticated new generation of small and medium business customers.

Because the SNE2040 uses standard SHDSL, carriers can deliver Ethernet services over standard voice-grade copper, and because it uses Ethernet instead of ATM or Frame Relay, it's ready to support 100% of the high-demand IP applications—including video conferencing, digital video surveillance, IP telephony and more. It is uses Ethernet for all data transport, and is optimized for the delivery of Internet Protocol (IP) traffic.

The SNE2040 features four SHDSL ports, each capable of up to 2.3 Mbps bandwidth. When used with a compatible product, one, two, three or four ports may be used to deliver high-speed bandwidth at any given distance. The loop bonding technology used is automatic, efficient and resilient, providing configuration-free deployment and a greater total throughput than traditional SHDSL lines.

The SNE2040 can be used in pairs with any other Zhone Ethernet Ethernet SHDSL product, including other SHDSL Network Extenders, EtherXtend products, the MALC multi-service BLC, and the 12000/4000 series of IP DSLAMs. Either way, the SNE2040 supports important Ethernet features such as 802.1Q VLANs, Built-in security features, and the advanced QoS and traffic control features that come with Zhone's Multimedia Traffic Management.

Features

Configuration-free operation minimizes truck roll/engineering site visits

Connects directly to any RJ45 10/100 Mbps Ethernet port via an integrated 4-port switch

Can be used in conjunction with Zhone's MALC Multi-service BLC as well as the 12000 and 4000 IP DSLAMs, or in point-to-point configurations with any SHDSL Network Extender or EtherXtend product

Automatic load balancing and fail-over on bonded ports for optimum throughput and redundancy

Specifications

Dimensions

1.25" (3.2cm) High x 8.5" (21.6cm)
Wide x 4.75" (12.1cm) Deep

Weight

1.0 lbs (0.45 kg)

Power

100-125VAC @ 0.15A
200-240VAC @ 0.075A

Interfaces

4 x SHDSL Hybrid RJ11/RJ45 (TC-
PAM encoding)
1 x 10/100 Ethernet RJ45

Standards Support

IEEE 802.3 Ethernet
ITU G.991.2 G.SHDSL

Protocol Support

Transparent 802.1D Bridging

Bandwidth/Distance

Up to 2.3 Mbps per SHDSL port
(up to 9.2 Mbps loop bonded)
Lower speeds supported up to
24,000 feet/7.3Km

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

SHDSL Kits:

SNE2040G-KIT1US Four Line Loop Bonding SHDSL Kit Includes (1) SNE2040G-P
Provider Unit and (1) SNE2040G-S Subscriber Unit with North American Supply
SNE2040G-KIT1EU Four Line Loop Bonding SHDSL Kit Includes (1) SNE2040-P
Provider Unit and (1) SNE2040G-S Subscriber Unit with European Power Supply
SNE 2040G-KIT1UK Four Line Loop Bonding SHDSL Kit Includes (1) SNE2040-P
Provider Unit and (1) SNE2040G-S Subscriber Unit with UK Power Supply

SHDSL Single Units:

SNE2040G-S-US Four Port SHDSL Network Extender Subscriber Unit for Loop
Bonding with North American Power Supply
SNE2040G-S-EU Four Port SHDSL Network Extender Subscriber Unit for Loop
Bonding with European Power Supply
SNE2040G-S-UK Four Port SHDSL Network Extender Subscriber Unit for Loop
Bonding with UK Power Supply
SNE2040G-P-US Four Port SHDSL Network Extender Provider for Loop Bonding with
North American Power Supply
SNE2040G-P-EU Four Port SHDSL Network Extender Provider for Loop Bonding with
European Power Supply
SNE2040G-P-UK Four Port SHDSL Network Extender Provider for Loop Bonding with
UK Power Supply