

Feature-rich SHDSL MicroDSLAM fits in any Remote Terminal/Street Cabinet

- ✓ *Provides plug 'n' play operation, including automatic loop bonding lines with NO configuration requirements*
- ✓ *Small enough to fit in any remote terminal/street cabinet - only 8.5" x 8.5" x 1.1" (2.8cm H x 21.6cm W x 21.6cm D)*
- ✓ *IP QoS Support for Traffic Management and Prioritisation*
- ✓ *12 ports of SHDSL (2.3 Mbps symmetrical)*
- ✓ *Supports Loop Bonding from ports providing up to 27 Mbps over 12 bonded copper pairs*
- ✓ *Can be set to 'subscriber' mode, providing a 12 port loop-bonded CPE that can be used with the SIM2000-24, ESIM5700-48, EtherXtend products, or other SuD2011-12's*

Zhone's SHDSL Ethernet MicroDSLAM is the industry's first Remote Ethernet DSLAMs that is environmentally hardened and small enough to fit in even the most crowded Remote Terminals/Street Cabinets. These units are extremely feature rich, including Loop Bonding, SNMP Management, IP QoS, and the ability to be used as both a compact CO device (DSLAM) or a high-density bonded modem (CPE).

SHDSL provides the high-speed, symmetrical bandwidth required by the small business, SOHO, or telecommuter, and Zhone's MicroDSLAM can bond copper loops together to increase total bandwidth to as high as 27Mbps at distances up to 12,000ft/3600 m. Loop bonding also allows for higher speeds at greater distances for end users further away from the Remote Terminal. With IP QoS included, Zhone's MicroDSLAM enables the Telco or service provider with additional service options and revenue opportunities such as VoIP and IPTV.

The SuD2011-12 can be used as a 12 port loop-bonded CPE, allowing for up to 12 copper pairs to be bonded together, providing up to 27 Mbps to a single subscriber. This loop bonding capability can be used as an access link using a Zhone SHDSL CPE with loop bonding support, such as the SNE2020G-S or SNE2040G-S or using a second MicroDSLAM configured as a CPE. The SuD2011-12 may also be used with Zhone's EtherXtend product family for easy migration to the latest Ethernet in the First Mile standards.

Technical Specifications

Dimensions

- 12-port models: 1.1" H x 8.5" W x 11.4" D (2.8cm H x 21.6cm W x 29cm D)

Weight

- 12-port: 2.5 lbs. (1.1 kg)

Power

- DC: Dual -48 Volt DC terminal blocks
- 6-port: 21W at 48vdc
- 12-port: 30W at 48vdc
- AC: Requires separate AC power supply (sold separately)
- *actual power consumption will vary by model and use

Interfaces

- 12 SDSL ports (RJ-21; G.SHDSL, CAP, or 2B1Q)
- (1) Ethernet (RJ-45) and (1) T1/E1 (RJ-48C) data backhaul

Standards Support

- IEEE 802.3 Ethernet
- IEEE 802.1p CoS
- IEEE 802.1Q VLANs
- IGMP Snooping - supports IGMPv1 and IGMPv2
- SNMP MIB II

Protocol Support

- Tagging 802.1p
- VLANs 802.1Q
- Ethernet IEEE 802.3
- IP QoS - - Configurable Priority scheme 802.1p, DiffServ, IP address range, Rate Limiting

Bandwidth/Distance

- Selectable to 144Kbps, 272Kbps, 400Kbps, 528Kbps, 784Kbps, 1040Kbps, 1552Kbps, 2064Kbps, 2320Kbps
- Distances up to 24,000ft/7,320m

Regulatory Compliance

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

Operating Requirements

- Temperature: -40°F to 149°F (-40°C to 65°C)
- Non-operating temperature: -40°F to 158°F (-40°C to 70°C)
- Humidity: 5% to 95%, non-condensing
- Altitude: -200ft to 16,600ft (-60m to 5,000m)

Ordering Information

SuD2011-12T	12 Port SHDSL MicroDSLAM -DC; supports (1)10/100 Ethernet Uplink, (1) T1 Uplink
SuD2011-12E	12 Port SHDSL MicroDSLAM -DC; supports (1)10/100 Ethernet Uplink, (1) E1 Uplink

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