

Ascend

Product Update

DSLPipe-2S

Ascend's DSLPipe™-2S is a SDSL-based Customer Premises Equipment (CPE) belonging to the MultiDSL™ family of products. The DSLPipe-2S utilizes SDSL technology for connection to the SDSL card at the central office equipment such as DSLTNT™ or a MAX TNT™ for speeds up to 1.54 Mbps.

It is ideal for customers who want 1.54 Mbps connection to the Internet or to the corporate network using a Virtual Private Network (VPN). The data connection for 1.54 Mbps using DSLPipe-2S utilizes 2 pairs of copper wires between a DSLTNT or a MAX TNT and bond them together using Multilink PPP. This 1.54 Mbps data service can be an alternate to a T1 connection, however, without the expensive conditioning and the high cost associated with the T1 circuit.

Additionally DSLPipe-2S also offers SDSL subscribers the flexibility to start with a single pair SDSL at a data rate of 768 Kbps and migrate to 1.54 Mbps service by simply adding a second pair of wires to the DSLPipe-2S. This does not require any hardware or software upgrade to the DSLPipe-2S itself.

The DSLPipe-2S has two SDSL ports, one Ethernet port and one console port. The connection from one of the SDSL ports on the DSLTNT or MAX TNT may be connected to one of the SDSL ports on the DSLPipe-2S to get 768 Kbps or connect two of the SDSL ports on the DSLTNT or MAX TNT to both SDSL ports of the DSLPipe-2S (with 2-pairs of wires) to get 1.54 Mbps connection.

The DSLTNT and the DSLPipe-2S use Multilink PPP (MP) or Multilink Protocol Plus™ (MP+) to bond two SDSL channels to obtain the 1.54 Mbps connection.

The DSLPipe-S will also be available for customers who require only a 768 Kbps connection.

Target customers for DSLPipe-2S and Applications

- Regional Bell Operating Companies (RBOCs)
 - 768 Kbps/1.54 Mbps Internet connection for businesses
 - VPN for corporations — Telecommuting and remote office connectivity
- Competitive Local Exchange Carriers (CLECs)/Competitive Access Providers (CAPs)
 - VPN for corporations — Telecommuting and remote office connectivity
 - VPN for ISPs — Resell xDSL ports to ISPs
- Internet Service Providers (ISPs)
 - 768 Kbps/1.54 Mbps Internet access for businesses in high rise buildings and apartment complexes
- Corporate Customers
 - Campus applications — Interconnecting buildings within a campus such as universities and major corporations



Features

- Two SDSL ports, one Ethernet port and one console port
- Offers 1.54 Mbps using two pairs of wires or 768 Kbps using 1-pair of wires for up to 12,000 feet (24-gauge wires)
- Includes IP/IPX routing and bridging
- SDSL interface supports PPP, MP, MP+ and Frame Relay protocols
- Supports PAP/CHAP for authentication using existing infrastructure such as RADIUS, TACACS+ etc.
- Optional Secure Access™ Firewall

Market Positioning

Ascend's DSLPipe-2S is a customer premise equipment and is part of Ascend's MultiDSL family of products and is ideal to offer data services at T1 rates of 1.54 Mbps without requiring expensive conditioning of a T1 circuit.

Product Information

New feature requests: prod-mgmt@ascend.com

Collateral and product information: info@ascend.com

Availability

DSLPipe-2S	SDSL based CPE for 1.54 Mbps/768 Kbps	Now
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Ordering Guidelines

Model	Product Description	US List
DSL-2S	DSLPipe-2S (SDSL), includes two SDSL ports, one Ethernet port and one console port	\$1,650
DSL-S	DSLPipe-S (SDSL), includes one SDSL port, one Ethernet port and one console port	\$1,150

Worldwide and North American Headquarters
One Ascend Plaza
1701 Harbor Bay Parkway
Alameda, CA 94502, United States
Tel: 510.769.6001
Fax: 510.747.2300
North American E-mail:
info@ascend.com
International E-mail:
air-info@ascend.com
Toll Free: 800.621.9578
Fax Server: 415.688.4343
Web Site: <http://www.ascend.com>

European Headquarters
Rosemount House
Rosemount Avenue
West Byfleet
Surrey KT14 6NP, United Kingdom
Tel: +44 (0) 1932.350.115
Fax: +44 (0) 1932.350.199

Japan Headquarters
Level 19 Shinjuku Daiichi-Seimei Bldg.
2-7-1 Nishi-Shinjuku
Shinjuku-ku, Tokyo 163-07, Japan
Tel: +81.3.5325.7397
Fax: +81.3.5325.7399
Web Site: <http://www.ascend.co.jp>

Asia-Pacific Headquarters
Suite 1908, Bank of America Tower
12 Harcourt Road
Hong Kong
Tel: +852.2844.7600
Fax: +852.2810.0298

Latin, South America and the Caribbean Headquarters
One Ascend Plaza
1701 Harbor Bay Parkway
Alameda, CA 94502, United States
Tel: 510.769.6001
Fax: 510.747.2669

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