



Micronet®
Making Communication Easier



Micronet SP3501A Series

VDSL CO/CPE Modem, Ethernet Extender

Cost-Effective and High Performance Broadband Access suited for Multiunit Building Environments.

Micronet SP3501AM / SP3501AS VDSL Modem delivers cost-effective and high-performance broadband access to multiunit building environments, such as enterprise, campus, hospital, hotel, and telecom. With QAM-based 4-band VDSL technology, the VDSL solution dramatically extends Ethernet and supports 5M/15M/25Mbps symmetrical bandwidth over existing telephone-grade wiring up to 1.9/1.3/0.8KM.

4-Band

Improved
VDSL

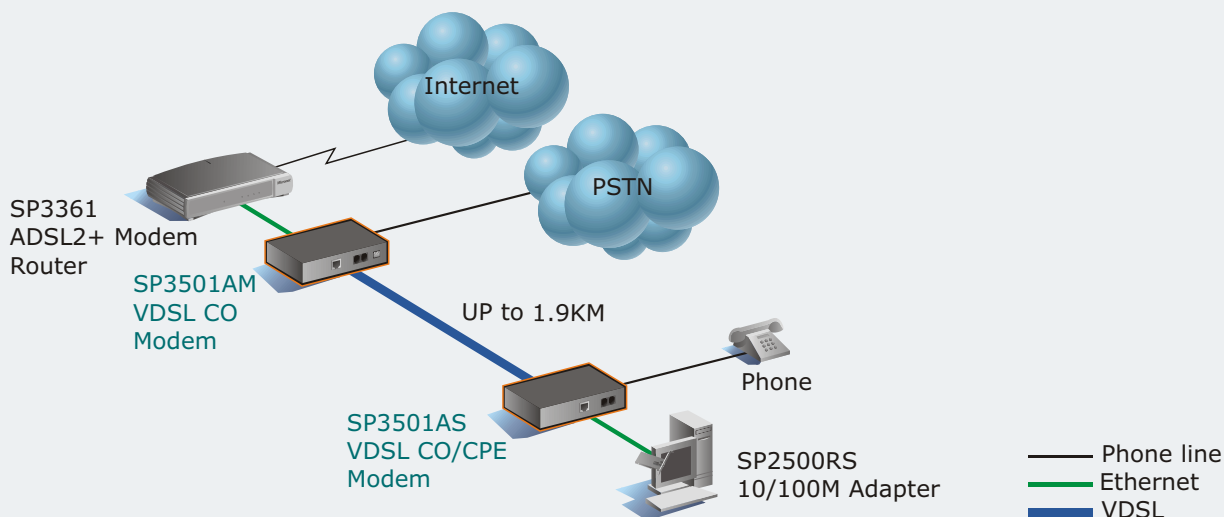
Symmetric

25/15/5 Mbps

1.9KM

Long-Reach
Ethernet

- Compliant with ETSI, ITU, ANSI standards
- Compliant with IEEE802.3 10BASE-T and IEEE802.3u 100BASE-TX standards
- Compatibility with xDSL, ISDN (2B1Q/4B3T)
- QAM-based 4-band VDSL
- 48Gbps non-blocking switching capability
- Data rate up to symmetrical bandwidth of 25Mbps
- Wiring range up to 1.9KM
- Auto MDI/MDIX and auto negotiation on Ethernet port
- Auto-speed function for VDSL link
- Built-in POTS/ISDN splitter (SP3501AM) for POTS/ISDN telephone service



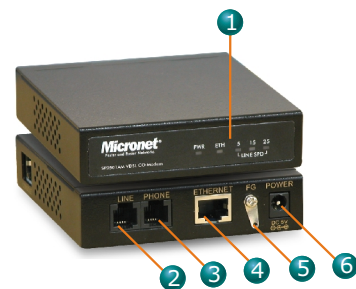
VDSL CO/CPE Modem, Ethernet Extender

SPECIFICATION AND PRODUCT FEATURES

Model	SP3501AM/SP3501AS
Standards	ETSI, ITU and ANSI standards IEEE802.3 10BASE-T and IEEE802.3u 100BASE-TX standards
Interface	1 X RJ-45 10/100Mbps Ethernet port 1 X RJ-11 connector for telephone connection 1 X RJ-11 connector for EoVDSL
Distance	Data Rate 5M/5M: up to 1.9km Data Rate 15M/15M: up to 1.3km Data Rate 25M/25M: up to 800m
Features	POTS/ISDN voices pass through 4wires phone set pass through Compatibility with xDSL, ISDN (2B1Q/4B3T). Surge protection Long packet size up to 1536 bytes Auto MDI/MDIX and auto negotiation on Ethernet port Auto speed function and full duplex on VDSL port Built-in splitter (SP3501AM) UPnP
VDSL Frequency Spectrum	SP3501AM: Transmitter: 900 KHz ~ 3.9MHz Receiver: 4MHz & 7.9MHz SP3501AS: Transmitter: 4MHz ~ 7.9MHz Receiver: 900 KHz ~ 3.9M
Flow Control	IEEE802.3x for Full Duplex Back Pressure for Half Duplex
Power Supply	Input: AC 85-240 volts/50-60Hz Output: DC 5V, 1A or above
Dimension	95 x 110 x 24 mm

ORDERING INFORMATION

Model	Description
SP3501AM	VDSL CO Modem, Ethernet Extender
SP3501AS	VDSL CPE Modem, Ethernet Extender



SP3501A Series VDSL CO/CPE Modem

- ① LED Indicators
- ④ Ethernet Port
- ② Line Port
- ⑤ Frame Ground
- ③ Phone Port
- ⑥ Power Jack

COMPANION PRODUCTS

Consider the following Micronet products as a factor in your network planning.

Ethernet Switch

Industrial Ethernet

IP Surveillance

Wireless LAN

VDSL • ADSL and Broadband

IP Telephony

KVM Switch

Network Appliance

Structured Cabling System

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