



**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.*

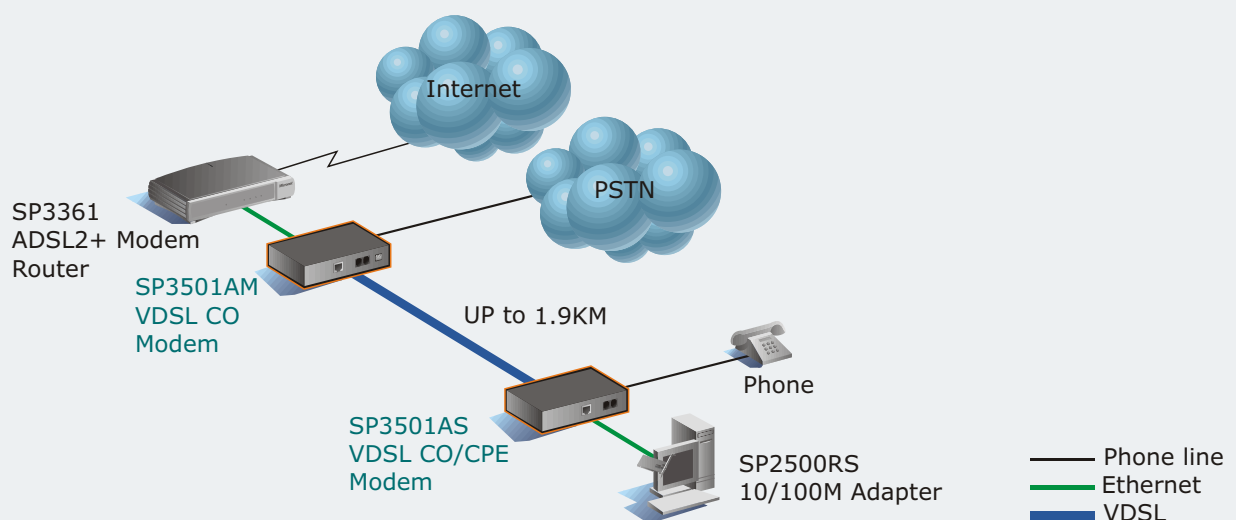
Micronet SP3501AM / SP3501AS VDSL Modem delivers cost-effective and high-performance broadband access to multiunit building environments, such as enterprise, campus, hospital, hotel, and telecom. With QAM-based 4-band VDSL technology, the VDSL solution dramatically extends Ethernet and supports 5M/15M/25Mbps 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



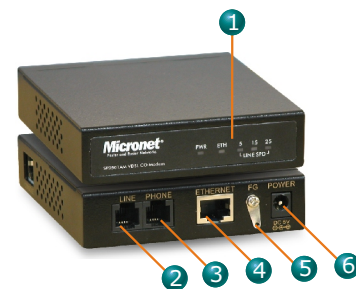
## VDSL CO/CPE Modem, Ethernet Extender

### SPECIFICATION AND PRODUCT FEATURES

<b>Model</b>	<b>SP3501AM/SP3501AS</b>
<b>Standards</b>	ETSI, ITU and ANSI standards IEEE802.3 10BASE-T and IEEE802.3u 100BASE-TX standards
<b>Interface</b>	1 X RJ-45 10/100Mbps Ethernet port 1 X RJ-11 connector for telephone connection 1 X RJ-11 connector for EoVDSL
<b>Distance</b>	Data Rate 5M/5M: up to 1.9km Data Rate 15M/15M: up to 1.3km Data Rate 25M/25M: up to 800m
<b>Features</b>	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
<b>VDSL Frequency Spectrum</b>	SP3501AM: Transmitter: 900 KHz ~ 3.9MHz Receiver: 4MHz & 7.9MHz SP3501AS: Transmitter: 4MHz ~ 7.9MHz Receiver: 900 KHz ~ 3.9M
<b>Flow Control</b>	IEEE802.3x for Full Duplex Back Pressure for Half Duplex
<b>Power Supply</b>	Input: AC 85-240 volts/50-60Hz Output: DC 5V, 1A or above
<b>Dimension</b>	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.

56K Modem/ ISDN TA

ADSL and Broadband

Digital Signage

Internet Camera

KVM Switch

Media Converter

Medile Communication

Network Interface Card

Powerline

Print Server

Switch

VDSL

IP Telephony

Wireless LAN

Wiring System

Copyright ©2009 Micronet Communications Inc. All technical information in this document is subject to change without prior notice. Micronet, EtherFast and MicroView are registered trademarks of Micronet Communications Inc. Microsoft, Windows, Windows 95, Windows 98, Windows NT, Windows 2000 are registered trademarks of Microsoft Corporation. Novell and Netware are registered trademarks of Novell Inc. All other trademarks and registered trademarks are properties of their respective holders.

Distributor:

Micronet Communications Inc.

E-mail: sales@micronet.com.tw ; sales@micronet.info; support@micronet.com.tw;  
support@micronet.info Web: www.micronet.com.tw ; www.micronet.info