Corporate Network over Existing Telephon Lines

VM-100-CO-12

12-port VDSL switch

Description

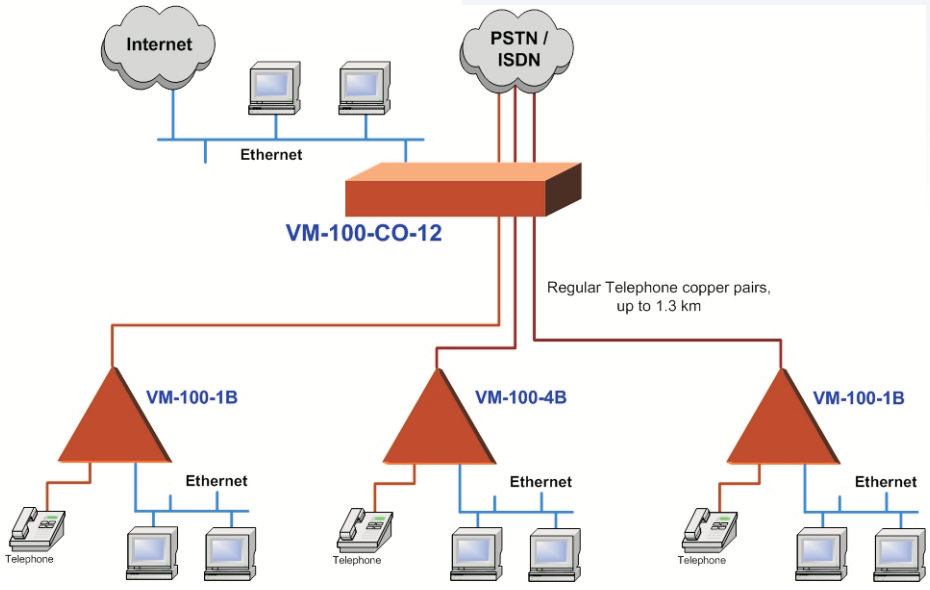
VM-100-CO-12 and VM-100-CO-12M VDSL switches will enable home or office users to connect their PCs easily and affordably to a broadband connection. In addition, the VM-100-CO-12M is designed to provide ultimate flexibility and manageability to the network through Console, Telnet, HTTP or SNMP Client. VM-100-CO-12 and VM-100-CO-12M each is integrated with 12 VDSL ports, 12 POTS/ISDN ports and 4 Ethernet ports for the VDSL Solutions.

As the high-speed rate, VDSL provides an incredible bandwidth increase compare to ADSL or cable modem. It is a clear choice for people who migrate from current broadband technology to VDSL. It could be the future trend of business and home users.

Features

- ✔ Supports security with port based VLAN function
- ✔ Virtual LAN (VLAN) Grouping
- ✔ Support Telnet, Web-Based, Console and SNMP Interfaces (VM-100-CO-12M only)
- ✔ IEEE 802.3X Back Pressure compliant flow control
- ✔ 1 MB Buffer Memory
- ✔ Broadcast Storm Control
- ✔ Back Pressure flow control for half-duplex
- ✔ Flow control for full-duplex (802.3x)

Application



OlenCom Electronics

The Alternative Way for Highlevel Networks

VM-100-CO-12

12-port VDSL switch

Product Specifications

General Features

- 12 VDSL Ports up to speed of 18Mbps each port
- Frequency Division Multiplexing for Uninterrupted simultaneous voice/data transmission
- Store-and-forward Mechanism
- 8K Entries
- 1.5 km, 5000 ft
- Back pressure for half duplex, IEEE 802.3x Pause Frame for full duplex
- Broadcast Storm Control
- Console port, Web browser, SNMP, Telnet Interface
- SNMP/MIB-II/RFC 1213
- TCP/IP, SNMP, HTTP, TFTP, DHCP, BOOTP, RARP, Telnet Protocols

Hardware Specification

VDSL Ports	12 VDSL Ports up to speed of 18Mbps each port
Ethernet Ports	4 10/100 Base-Tx Ports IEEE 802.3, 802.3u
LED	Status for Ethernet Link/Activities, 10/100, full Duplex/Collusion
Transmission Method	Frequency Division Multiplexing for Uninterrupted simultaneous voice/data transmission
Stack Interface	Through Ethernet interface. Manufacture recommend 10 units
Switch Processing Scheme	Store-and-forward Mechanism
Throughput (packet per second)	6.547Mbps
Address Table	8K Entries
Queue Buffer	1 Mbytes
Flow Control	Back pressure for half duplex, IEEE 802.3x Pause Frame for full duplex
Broadcast	Broadcast Storm Control
Dimensions	11.8 x 17.6 x 1.8 in
Net Weight	4.128 kg , 9.1 lb
Power Requirement	100~250 VAC, 74-63 Hz Internal Universial Power Supply
Power Consumption / Dissipation	60 Watts maximum
Operating Temperature	32~122 F, 0 ~ 50 C
Humidity	10% to 90% (Non-condensing)
Storage Temperature	-13~158 F, -25 ~ 70 C
Maximum Distance	1.5 km, 5000 ft

Network Management

System Configuration	Console port, Web browser, SNMP, Telnet Interface
Management Agent	SNMP/MIB-II/RFC 1213
Firmware Upgrade	TFTP
SNMP Management	Based SNMP, MIB-II and proprietary MIBs
SNMP Management Support	TCP/IP, SNMP, HTTP, TFTP, DHCP, BOOTP, RARP, Telnet Protocols
VLAN	Support Regrouping
Port Mirroring	VDSL Ethernet Port
Console Ports Baud Rate	19200 bit, 8 data bits, 1 stop bit, No parity, No flow control

Standards Conformance

Regulation Compliance	FCC Class A, VCCI, CE, JATE

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