

VDSL Secure Routing Switch (VS-1200)

for Long Range Ethernet (LRE)

The SOHOware VS-1200 is a 12-port intelligent switch with business class VLAN, flow control and telephony features. Administrators can control bandwidth allocation for each port to manage network performance and support service level and application requirements.

The robust and versatile feature set of the VS-1200 presents a cost effective way to meet the service demands of MDU/MTU and hospital-ity networks, eliminating the need for Ethernet cabling by utilizing existing telephony wiring. Unlike Ethernet, the VS-1200 data signal is capable of transmission at cable lengths of over 4000 feet at Ethernet data rates (10 Mbps). The available VM-120 CPE modem completes SOHOware's long range Ethernet solution.



Key Features and Benefits

Extends Ethernet Over 4000 Feet - Uses existing POTs wiring (Cat. 1, 2 or 3) to distribute Broadband services throughout a facility, at distances exceeding 4000 feet. This dramatically reduces installation costs and disruption time by combining data and voice on the same wiring infrastructure.

Security - Includes port based virtual LAN (VLAN) to protect client security by eliminating access to other clients through Windows Network Neighborhood. VLAN also reduces network congestion by blocking unnecessary broadcast packets. Additional security is provided through IP address authorization, which controls management access to the configuration utility.

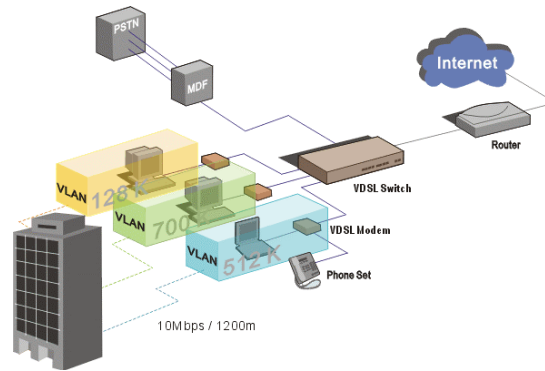
Bandwidth Management - Allows for port based allocation, with selection from eight bandwidth levels (64k, 128k, 256k, 512, 1M, 4M, 10M or unlimited). System administrators and Service Providers may control bandwidth as required to support service levels within the network and maintain application integrity.

Remote Manageability - Web accessible management interface is available through standard browsers (http) for complete feature configuration. Supports SNMP remote management to monitor and maintain system performance by administrators and Service Providers.

IP Management by Port - To support service level assignment, clients may be assigned to a specific port as appropriate for the management of bandwidth allocation. ISPs and administrators can control IP address distribution, up to 8 concurrent users per port, enabling tiered services within the network. Access to Internet services may be remotely denied or allowed as well, to control access on a per port basis.

Available CPE Modem - separate VM-120 provides client interfaces for POTs and Ethernet.

Long Range Ethernet Solution



A Complete End to End Product Family

Hardware Specifications

Network Standards	IEEE 802.3 (10BaseT) 802.3u (100BaseTX) VDSL (10BaseS)
Interface	Ethernet port: one (1), RJ-45 VSDL port: twelve (12), RJ-11 Splitter port: twelve (12), RJ-11 Serial port: one (1), RS232 console
Power Requirements	100 - 220 VAC, 50/60 Hz (universal switching) Consumption: 5V, 30 watts, 3 Amp
Indicators (LED)	VDSL port: Link, Activity, Error Ethernet: Link / Act, 10/100, FDX Power: On / Off
Dimensions	Rack mount package: 444 x 228.5 x 44.3 mm Net weight: 1.7 Kg (approximate)
Environment	Operating temperature: 0 - 45 deg C Humidity: 10 - 90% non-condensing
EMC Conformance	FCC part 15 Class A, VCCI Class A
Warranty	1 year, limited

Software Specifications

Security	VLAN per port, IP address authorization (GUI access control)
Bandwidth Allocation	Flow control per port (8 levels): 64K, 128K, 256K, 512K, 1M, 4M, 10M, unlimited
Access Control	VDSL ports: per port Enable / Disable (network access)
Remote Management	WEF, Data Rate, Channel, Roaming, RF Signal Monitoring, SSID
Operating Environment	Web browser (http), SNMPv1 (MIB 1, MIB 2, private MIB)
Status Table	Per port throughput and client statistics
IP Control	Per port IP distribution (8 IPs per port maximum)

Product image and specifications are subject to change without prior notice.

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