VDSL01 Series
VDTU01

VDSL CPE Modem

CTC Union presents VDSL Modem leverages the extraordinary bandwidth promise of VDSL (Very High Bit-Rate Digital Subscriber Line) technology, the next step in the delivery of new high-speed Internet applications to end-users in their homes or offices. VDTU01 is a customer premise equipment (CPE) device, meaning it is external to personal computers or other Internt access devices and is usually located in the individual hotel rooms, apartment or office suites.

Features

- Compliant with IEEE 802.3 & 802.3u Ethernet Standards.
- Compliant with ETSI, ITU, ANSI VDSL standards.
- Provides 1 x 10/100M auto-sensing RJ-45 Ethernet ports.
- Provides 2 x 13M VDSL RJ-11 port.
- Ethernet transport with POTS / ISDN traffic over single copper wire pair.
- Spectral compatibility with XDSL, ISDN (2B1Q/4B3T).
- Robust operation on severely distorted line.
- Symmetric and asymmetric data transmission on the same line.
- Supports flow control IEEE802.3x for Full Duplex & Back Pressure for Half Duplex.
- Long driver capable up to 1500 meter (5Mbps).
- Splitter on board.
- Provides LED indication Link/Active Status for Ethernet port and Link for VDSL port.
- External switching power adapter Input: AC 85-240 volts/50-60Hz; Output: DC 5V/2A.
- Dimensions: 95 x 110 x 24 mm.
- Operating Temperature : $5^{o}C \sim 50^{o}C$ ($41^{o}F \sim 122^{o}F$).
- Storage Temperature : $- 20^{o}C \sim 65^{o}C$ ($-4^{o}F \sim 149^{o}F$).
- Humidity: 10%~90% non-condensing.

VDSL01 Series
VRM01/8

VDSL Concentrator

CTC Union presents VRM01 series - VDSL access concentrator is a multi-port managed switch that is developed to robustly and economically deliver high-speed Internet content over existing copper wire infrastructure to commercial and residential buildings. Designed for installation by enterprises and service providers, the VRM01/8 VDSL (Very High Bit-Rate Digital subscriber Line) access concentrators deliver streaming media and other bandwidth-intensive applications at 13Mbps total per port of symmetrical throughput over any twisted pair of wires, including verified distances of 1,200m on 24Awg phone wire.

Features

- 8 VDSL-ports with 2 10/100Mbps auto-sensing Ethernet ports in reduced-size model.
- 13Mbps transmitting throughput with 1.2Km distance on 24Awg phone wire, respectively.
- Spectral compatibility with XDSL, ISDN(2B1Q/4B3T)
- Ethernet transport with POTS / ISDN traffic over single copper wire pair
- Internal POTS splitter reduces costs and improves reliability because one less device is needed in the network.
- Unique management access software provides easy device configuration and ongoing management by Web interface. Supports broadcast storm filtering.
- Cascading up to 8 Units along with 8 + 1G switch
- High performance with ARM 7 RISC CPU
- Supports LACP IEEE 802.3ad Trunking
- Supports GARP/GVRP IEEE 802.1p/q tagging-base VLAN with 256 groups.
- Supports IEEE 802.1v protocol-base VLAN classification
- Supports IEEE 802.1d Spanning trees for MAC bridge with redundant link
- Support Fan and Temperature management function
- Fast address migration to support IEEE 802.1w Rapid reconfiguration
- Supports IP multicast/IGMP V1 with 512 groups for VOD
- Supports IEEE 802.1p QOS
- Supports LACP IEEE 802.3ad Trunking
- Supports port mirroring function
- Supports SNMP v1 RFC-1493 Bridge MIBs,RFC-1643 Ethernet MIB,RFC-1213 MIB II,Enterprise MIBs
- Supports RMON groups 1(Statistics), 2(Alarm),
- Supports TFTP/xModem for firmware upgrade

VDSL01 Series

VRM01/24

VDSL Concentrator

CTC Union presents VRM01 series - VDSL access concentrator - 24ports VDSL Concentrator is designed for installation by enterprises and service providers to enable simultaneous delivery of broadcast TV, video-on-demand services, high-speed data exchange and voice services.The access concentrators offer up to 13Mbps total per port of throughput over any twisted pair of wires, including verified distances of 1,200m. The VRM01/24 runs in either symmetric or asymmetric mode and equipped with all functions of VRM01/8 plus DHCP client/relay, GBIC interface, and others.

Ordering Information

- **VDTU01**   Standalone Type, single VDSL port with 2 10/100Mbps auto-sensing Ethernet ports
- **VRM01/8**   Rack-Mount Type, 8 VDSL-ports with 2 10/100Mbps auto-sensing Ethernet ports in reduced-size model.
- **VRM01/24**   Rack-Mount Type, 24 VDSL-ports with 2 10/100Mbps auto-sensing Ethernet ports in reduced-size model.