Managed VDSL LAN Extender V700L

V700L is a Managed Single Master/Slave LAN Extender, compliant to ITU-T G.993.2 standards. It supports CO/CPE side bridge mode and long distance transmission up to 2.5km. The varied applications are typical for LAN Extension purpose over 2-wire such in MRT, farm, ship, campus, auto control systems, IP Surveillance, amusement park, parking system, etc.

Flexible Configuration

The V700L supports both central office (CO) and customer-premises equipment (CPE) modes selectable through Web configuration setting. Customers can easily configure the setting for all kinds of needs in the field.

Interleave delay support

Interleave delay function is used in digital data transmission technology to protect the transmission against noise issue and data error.
If during transit more than a certain amount of data has been lost then the data cannot be correctly decoded. Short bursts of noise on the line can cause these data packets to become corrupt and the bridge has to re-request data which in turn can slow down the overall rate at which data is transmitted. Interleaving is a method of taking data packets, chopping them up into smaller bits and then rearranging them so that once contiguous data is now spaced further apart into a non continuous stream. Data packets are re-assembled by the LAN Extender.

FEATURES

- Adopts ARM Cortex A9 dual-core processor
- Supports Master/Slave Mode selectable by Web config
- Supports G.998.4 G.INP
- Supports up to 100 Mbps symmetric
- Support 8 bands selectable
- Support USB 2.0 for connecting USB Dongle
- Supports IPv4/IPv6 NTP Client
- Support static routing for IPv4 and IPv6 forwarding
- Mac Address based filtering
- Web-based management
- Support IGMP snooping v2/v3
- Compliant with IEEE 802.3 & 802.3u Ethernet Standard
- Support VLAN Tag pass through
- Compliant with ITU-T G993.2 VDSL2 standard
- Support 8 queue MFC/DSCP both type QoS
- Supports HTTP/HTTPS web management
- Support SSL / SSH security
- Support remote management and monitor
- Support configuration backup and restore
- On board surge protection for Line port
- Supports Dual Firmware Image Backup
- Supports SNMP v1/v2
- On board POTS/ISDN splitter
- Supports TR-069

SPECIFICATIONS

Standard Conformance	
Standard:	IEEE802.3, IEEE802.3u standard ITU-T G993.2/G998.4 standards
Regulatory Compliance:	FCC/ CE, RoHS compliance

Hardware Specifications

Physical Interface:	4 x RJ-45 10/100Mbps auto-negotiation 1 x RJ-11 / Terminal combo for VDSL2 line port 1 x RJ-11 connector for POTS/ISDN device 1 x Reset Button for resetting to factory default 1 x USB2.0 for connecting USB dongle
LED indication:	1 x Power LED 4 x Link/Active Status for Ethernet port 1 x Link LED for VDSL2 port 1 x USB LED 1 x CO(Master) LED
Switch method:	Store and forward
Flow control:	Full duplex: IEEE 802.3x Half duplex: Back pressure
Typical Power Consumption:	4.4 W(Full load)
Power Supply:	Input Voltage: 12 VDC power adapter
Operating Temperature:	0°C ~ 50°C (32°F ~ 122°F) Fanless, free air cooling
Storage Temperature:	-20°C ~70°C (-4°F ~ 158°F)
Humidity:	10 to 90% (non-condensing)
Dimensions:	184 x 146 x 40 mm (7.2" x 5.74 " x 1.57")
Weight:	approx. 0.4 kg
EMC Certification:	EMI Compliant: FCC EMS Compliant: CE mark

APPLICATION

LAN Distance Extension