

Single Port CO/CPE Modem “ARGO”



Introduction

Argo is a VDSL2 single port CO and CPE module, which includes with four Ethernet port (RJ-45 connector) and one VDSL port (RJ-11 connector). The module is a DSLAM (Digital Subscriber Line Access Multiplexer) accommodating well proven Ethernet and VDSL2 technologies to extend Ethernet over single-pair phone line by using a VDSL2 signal. For 30a Profile, up to 100/100 Mbps transition bandwidth within 750ft and for 17a Profile up to 45/100 Mbps for 1Kft long range connections for provides ultra-high performance to the pervasive telephone line network. Argo has the advantage of minimum installation time (simply as plug-n-play) and minimum expense by allowing video streaming and data to share the same telephone pair without interference.

Specifications

- ◆ Board dimension: 77mm x 130 mm
- ◆ Power supply: DC 9 Volt over 3.5mm DC jack.
- ◆ Power consumption:
 - 6.8 Watt maximum(with 4 port switch).
 - 4.8 Watt maximum(with signal PHY)
- ◆ Interface:
 - RJ-11 female Phone Jack for VDSL
 - RJ-11 female Phone Jack for Phone(option)
 - RJ-45 x 4 female Ethernet jack(4 port switch)
 - RJ-45 x 1 female Ethernet jack(signal PHY)
- ◆ WAN: Full 10/100 Ethernet support with auto MDX.
- ◆ Phone: Industry standard phone jack with on board surge protection.
- ◆ Standard: Full ITU-T G.993.1 (VDSL) and G.997.1 compatible

Features

- ◆ 1 full-duplex VDSL links via RJ-11 connectors
- ◆ Compliant with ITU VDSL2 standard G.993.2
- ◆ VDSL2 profile: 8a, 8b, 8c, 8d, 12a, 12b, 17a, 30a
- ◆ Band plans: G.998, G.997
- ◆ Upstream/Downstream connection rates greater than 150/150 Mbps
- ◆ Loop diagnostic mode
- ◆ OLR supported
- ◆ Annex A, Annex B, Annex C
- ◆ UPBO, DPBO supported
- ◆ US0 supported
- ◆ Compatible with POTS, ISDN
- ◆ Compliant with VDSL2 MIB
 - Configurable band plan
 - Configurable PSD
 - Configurable SNR, INP, rate limit
- ◆ Interoperable with other chipset
- ◆ Selectable by DIP setting
 - CO and CPE mode
 - fast and interleaved mode
 - profile
 - target SNR margin