Ascensit LM-4 (Link Manager)

KEY FEATURES

- > Network Management Appliance to give network applications the bandwidth and redundancy they need
- > Easy and flexible addition of WAN bandwidth (lines, services)
- > Implementation of redundant WAN infrastructures (backup WAN and VPN solutions)
- > Enabling mission critical applications
- > Optimal utilization and combination of different WAN services
- > Offers up to 4 WAN links each supporting a throughput of up to 25 Mbps.
- > Designed to meet medium-sized Enterprises and Internet Providers needs
- > Ideal for networks with a combination of up to 4 xDSL, E1/T1, ISDN, etc. Internet connections
- > Powerful, easy to use configuration and management web interface

WAN link management (redundancy and bandwidth) appliance, specifically designed for medium-sized Enterprises and Internet Providers.

The Ascensit LM-4 is a powerful network appliance designed to give network applications the bandwidth and redundancy desired, to guarantee professional and secure WAN connections. With this appliance the network administrator can add up to 3 additional WAN services to increase bandwidth and/or implement a redundant WAN infrastructure.

Optimal utilization and combination of different WAN technologies and services.

The Ascensit LM-4 offers four WAN links each supporting a throughput of up to 25 Mbps. This makes the LM-4 the ideal solution for networks, where a combination of up to 4 (similar or different) WAN services (xDSL, E1/T1, ISDN, etc.) are necessary to provide the bandwidth and/or redundancy required by the network applications. The design of the system is based on powerful Ascensit technology, that ensures highest reliability and minimal latency (delay).

Enabling and supporting (mission) critical applications by adding more bandwidth and redundancy into the network.

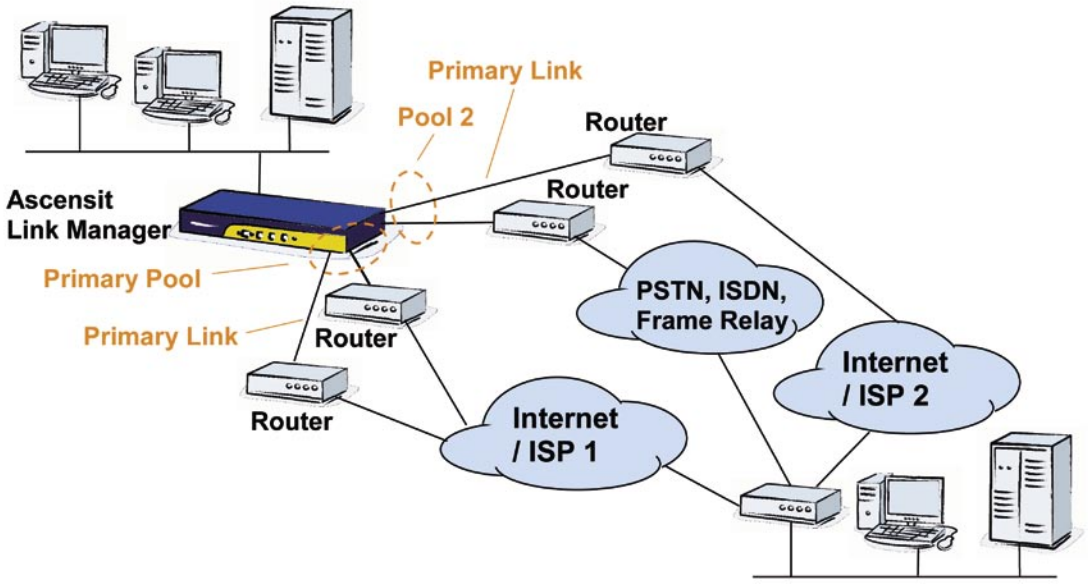
In the Ascensit Link Manager, architecture links (or WAN ports) are grouped into so called link pools. The functionality of a link pool is set by selecting one of several pre-defined modes of operation.
Depending on the choosen mode of operation, the appliance will either simultaneously utilize the links (services) by balancing the traffic, or activate WAN links when a certain load level is reached. Another possibility is a complete traffic reroute in the case of a link failure.

The powerful architecture of the Ascensit Link Manager allows the definition of links which give the network adminstrator the possibility of enforcing the desired network behaviour not only on a “physical” link level but on a network application (connection, link) level.
In addition to the “outbound” load and link management capabilities the Ascensit Link Manager also offers “inbound” load and link management functions utilizing an integrated dynamic DNS server.

Intelligent management interfaces to easily solve complex network problems.

The key to effective network management and adminstration especially in small and medium enterprise environments is reducing the level of complexity the network manager is facing.
Also by implementing powerful and easy to understand management concepts, combined with simple but comfortable graphical web interfaces.

Easy configurable logging capabilities (external Syslog) and alert notification (email, GUI, Syslog) inform the network administrator about important events (system alerts, link alerts, thresholds, etc.) so that he can react quickly to them.



Ascensit LM-4 (Link Manager)

DS/NMLM4-1.0

Specifications

> Network appliance for policy-based link management (load balancing, backup links, etc.)
> 4 WAN links each supporting a bandwidth of up to 25 Mbps
> Inbound and outbound load balancing functions
> Transparent or non-transparent network operation
> Policy routing based on network application or source/destination (hosts/networks)
> Sophisticated link and connection monitoring
> Several secure transparent tunnelling technologies supported (with software rel. 2.0)

Hardware Architecture

> Industrial grade custom hardware
> Watch-Dog hardware system
> Hardware Ethernet bypass
> 4 x 10/100 Mbps WAN Ethernet interfaces (WAN1, WAN2, WAN3, WAN4)
> 1 x 10/100 Mbps LAN Ethernet interface
> 1 serial port, RS-232, male DB9 connector
> Mass storage on Flash

Management / Configuration

> Integrated web management interface
> Console port (RS-232, VT100, 115200bps, 8 bit, no parity, 1 stop bit)
> Dual-image support (firmware)
> Firmware upgrades using the console port (ZMODEM)
> Export/import of configurations
> Status LED (power/fault/ready)
> Alert notification (Syslog, email, GUI) for system, links, thresholds

Supported Standards / Protocols

> IEEE 802.3 (10Base-T), IEEE 802.3u (100Base-TX)
> IP, ARP, TCP, UDP, ICMP HTTP, NTP, TIME, DNS (client and server), PPPoE
> Full NAT

Operating Security

> Hardware watchdog
> Self-test at power up
> Dual-image support (Firmware)

Power Supply / Consumption

> 100-240 V AC
> 0.4-0.2 A, 50-60 Hz
> =< 20 W

Environmental Conditions

> Temp. (operating): 0 to 40°C
> Temp. (non-operating): -20 to +65°C
> Humidity (operating): 10 to 90%
> Humidity (non-operating): up to 95-%
> Non-condensing

Dimensions and Design

> Rack mountable chassis 19" 1 U
> Rugged metal case
> Interfaces, status LED on front panel
> Size: 442 x 309 x 44 mm (W x D x H)
> Weight: 4.8 kg

Approvals / Compliance / Safety

> CE
> Made in EU
> Electromagnetic compl.: EN 55022 Class B
> Immunity: EN 61000-4-2, EN 61000-4-2/A1, EN 61000-4-3, EN 61000-4-4, EN 61000-4-5, EN 61000-4-6, EN 61000-4-11

Service and Warranty

> 2 Year limited hardware warranty

ASCENSIT | Via J. Linussio, 1 | 33020 - Amaro (Udine) | Italy
Tel. +39-0433 485485 | Fax +39-0433 485488
info@ascensit.com | **www.ascensit.com**

ASCENSIT