NETLINK 2000
ETHERNET ROUTER

DESCRIPTION

The Netlink 2000 was designed to be complete and economical. Developed for WAN and LAN environments, it has optical (SFP) and electrical (RJ-45) interfaces that serve small and medium sized businesses.

It offers speed of up to 1Gbps for frames from 64B to 1518Bytes, integrates advanced routing and packet switching via HW. In addition to reducing network complexity, the Netlink 2000 router simplifies management and increases control over your network.

It is capable of providing an agile and flexible network infrastructure, as well as rapidly suiting your network equipment investment needs to the changes in market requirements.

High performance, quality of service (QoS), and service classification through VRF are concepts implemented in the development of the Netlink 2000 to ensure that you are always connected.

HIGHLIGHTS

- ✓ High performance Ethernet Router with support for advanced L3 services such as BGP, VRRP, and VRF, and advanced QoS, ensuring the quality of triple-play services
- ✓ IPv4 and IPv6 routing
- ✓ OSPF (RFC2328) and OSPFv3 (RFC5340)
- ✓ VRF light
- ✓ VRRPv3
- ✓ BGPv4 (IPv4 e IPv6)
- ✓ Portbased VLAN
- ✓ DHCP Server (RFC2131, RFC2132), Relay (RFC1542), and Client (IPv4 and IPv6) NAT/NAPTIPv4 over IPv6 and IPv6 over IPv4DNS Proxy (RFC3596)
- ✓ Dynamic bandwidth reallocation between service classes
- ✓ Differentiated Services (DiffServ) for classified packets prioritization;
- ✓ Manageable via Telnet or SSHv2
- ✓ SNMPv1, SNMPV2, and SNMPv3 agents, with support for MIB II, IFTable and proprietary MIBs
- ✓ Green Ethernet - Energy-Efficient Ethernet
- ✓ Easy installation and configuration

TECHNICAL INTERFACES

INTERFACES

SFP OPTICAL INTERFACE

SFP compatible:

- 1000BASE-T
- 1000BASE-SX
- 1000BASE-LX
- 1000BASE-ZX
- 1000BASE-BX

ELECTRICAL ETHERNET GIGABIT

10/100/1000 Mbits

RJ45 plug

Auto MDI-X

FUNCIONALITIES

VLAN

IEEE 802.1p standard compliant:

VLAN PUSH and POP

Portbased VLAN

ROUTING

IPv4 and IPv6 routing

Static routing

Fluctuating traffic by weight or by object track

Routing between VLANs

Dynamic traffic authorization through MD5 (RFC1321)

OSPF (RFC2328) and OSPFv3 (RFC5340)

RIPv1 (RFC1058), RIPv2 (RFC2453), RIPng (RFC2080)

VRF light

VRRPv3

BGPv4 (IPv4 and IPv6)

PIM-SM

ADRESS MAMAGEMENT

DHCP Server (RFC2131, RFC2132), Relay (RFC1542), and Client (IPv4 and IPv6)

NAT/NAPT

IPv4 over IPv6 and IPv6 over IPv4

DNS Proxy (RFC3596)

DNS Relay

Dynamic DNS

PPPoE client (RFC2516)

GERENCIAMENTO E CONFIGURAÇÃO

Configuration via command line (CLI)

Telnet or SSHv2 servers for local or remote management

Management via NMS (Voice and AE functionalities via configuration templates)

SNMPv1, SNMPV2, and SNMPv3 agents, with support and MIB II

Import and export of local or remote configuration

Firmware upgrade via FTP, TFTP, HTTP and OMCI (present GPON interface)

NTP (RFC1305) with pairs authentication

Syslog

Dying Gasp

Firmware redundancy

Debug and diagnostics tools

SECURITY

Configuration mode protection via password with up to three levels of access

AAA authentication: TACACS (RFC1492), TACACS+, RADIUS (RFC2138, RFC2139)

SPI (Stateful Packet Inspection) type firewall

Packet filtering by port, source, or destination IP address, protocol, packet type, and TCP flags

QoS

Inbound traffic classification, marking, and conforming

Traffic classification via: IP address and L3 and L4 protocols

Dynamic bandwidth reallocation between service classes

5 QoS classes

Queueing strategy: FQ (Fair Queue), WFQ (Weighted Fair Queue),

CBWFQ (Class Bases Weighted Fair Queue) and LLQ (Low Latency Queue)

Differentiated Services (DiffServ) for classified packets prioritization;

Hierarchical Token Bucket (HTB)

Discard prioritization policy

MECHANICAL, ELECTRICAL AND ENVIRONMENTAL FEATURES

POWER SUPPLY

Internal source INPUT: 110/220VCA OUTPUT: 12VDC@4A

93 to 253 VAC

MAXIMUM CONSUMPTION

Up to 15W

ENVIRONMENT

Operating temperature: 0℃ to 50℃

Relative humidity: 0 to 95% (non-condensing)

WEIGHT AND DIMENSIONS

Weight: Up to 1.6kg

W x H x D (mm): 320 x 158 x 43

PARKS

For more information, visit www.parks.com.br.

The information presented in this document is subject to change without previous notice.