RXL15000

RXL15000 datacenter router

Introduction

The RXL15000 is a powerful and flexible edge router thanks to an optimized hardware architecture that includes several 10Gbps interfaces.

This new device with multi-core architecture delivers high performance and low processing latencies being the optimal solution for headquarters or main offices with top requirements for a large number of users

Together, HW innovation and SW evolution in this device offer customers a high level of productivity and a very good user experience.

The RXL15000 is a carrier-grade device that can migrate to SDWAN services in an easy way delivering all the Teldat SDWAN advantages to IT managers.

Destacar

- **Ready for high performance services**
- **Traditional or SDWAN integrated router**
- **Complete VPN server for headquarters**
- **Redundant power supply.**
- **SDWAN ready**
- **Professional and advanced OS**

Interfaces

Multi-WAN services	4x SFP+ ports
Local switch	8xGE switch ports
USB 2.0 port	For future purposes
Console port	Yes
Reset button	Yes

Competitive Advantage

Flexible platform for all scenarios	The 4x SFP+ ports and the 8x GE switch cover all the possible datacenter WAN/LAN combinations
SDWAN router	If needed, the RXL15000 enables smooth transition from traditional communications in remote offices to a hybrid SD-WAN network.
Top level VPN server	Security in communications or online work is solved with the new RXL15000 router model thanks to its encryption capacity and redundancy features.
Simple configuration and maintenance	Administrators can configure the router using the CLI and templates or through Cloud Netmanager suite including “ZTP” for automatic network deployments.

Key Features

- **High performance for advanced routing services** Reliable in scenarios up to 10Gbps IMIX aggregated with services thanks to its powerful hardware multi-core architecture.
- **Flexible high speed ports configuration** 4x 10Gbps interfaces are available in any type of configuration, as WAN or LAN ports.
- **Datacenter architecture. Front to back ventilation.** Datacenter devices need to be fitted in standard cabinet having specific forced ventilation and wire connections. The RXL15000 is specifically designed for these scenarios(tachometric and supervised fans).
- **Powerful hardware encryption** Last CPU generation with embedded hardware encryption.
- **Integrated switch** 8xGE switch port for scenarios without local network resources saving the customer additional investment in hardware and avoiding additional points of failure.
- **Console port for out-of-band management** Operator/integrator managed services require out-of-band management to prevent them from interfering with customer networks. A console port is available for local managers with secure access.

CARACTERíSTICA TéCNICA DEL HARDWARE

10Gbps interfaces
4x SFP+ ports

1Gbps interfaces
8-port Ethernet switch 10/100/1000 AUTO
RJ45 female connector

Redundant power supply
Duplicated power supply in passive redundancy mode
Dual power inputs for separated supply lines.
Front to back forced ventilation

Environmental specifications
Temperature: 0 to 40 ºC
Relative humidity: 5 to 90% no condensing
Atmospheric pressure: 700 to 1060 mbars

Dimensions and weight
440x44x300 mm
Approximate weight: 4,6 Kg
Format: 19-inch chassis with rack accessory

Internal 2x power supplies
100-240V AC IN 50 to 60Hz

CARACTERíSTICA TéCNICA DEL SOFTWARE

IP protocol
ARP, ARP Proxy, MTU discovery, NAT, ECMP, BFD
RIP, OSPF, BGP, policy based static and dynamic routing
Virtual Router Forwarding (Multi-VRF)

IP protocol (2)
Multicast: IGMP (v1,v2, v3), PIM-SM, MSDP, MLD, MLDv2
IPSLA service probes (delay, packet loss, jitter)
High availability: VRRP, TVRP (HSRP compatible)

Security
IPSec support in transport and tunnel mode
Authentication: Pre-shared, RSA, Certificates, MSD, SHA-1
Encryption: DES (56 bits), 3DES (168 bits), AES (128, 192 and 256 bits)

Security (2)
Certificates: CSR, SCEP, X.509v3, PKIX, LDAP revocation
Static and dynamic access lists and session-based Firewall
DoS/DDoS detection

IPv6
Dual Stack, IP6oIPv4, IPv4oIPv6, GRE, 6rd, DHCPv6, ICMPv6, SLAAC
RIPng, OSPFv3 and MP-BGP static and dynamic routing
Multicast: MLD, MLDv2, Listener, Querier

Quality of Service
Classification, marking, BW management, BW prioritization and limitation.
Up to 32 types 16 queues per interface
Strict policies (PQ), Low latency (LLQ), by weight/type (WFQ, CBWFQ)

VoIP
Protocols: SIP (UDP, TCP, TLS), H323, UA-NOE, SRTP,
SCCP SIP, UA-NOE, H323 and SCCP terminal support
Survival services: calls, hold, transfers

Management
CLI configuration and storage in a plain text file
User/group license assignment, TACACS+ and RADIUS AAA support
Netflow, RMON, SNMPv1, v2c y v3

SDWAN networks
Overlay over hybrid networks with App-aware routing, QoS and Visibility
Central SD-WAN flow control including Zero Touch Provisioning
Applications Service Chaining

CARACTERíSTICA TéCNICAS ADICIONALES

Console interface
RJ45 connector with proprietary pinouts (adapter included) Type RS232, N81
Default speed 115200 bps

LEDs
RJ45: Left Yellow Link/Act; Right Yellow GE Link; Right Green 100M Link
SFP+: single light, green Link/Act
Panel: 1*4(green/yellow/yellow/yellow): software controllable

Scenarios

Founded in 1985, Teldat is a Spanish company whose mission is to provide companies with valuable solutions for cloud access, remote office communications, cyberse-curity and voice/data connectivity both in the office and in specific environments whether they are industrial, railway, vehicles or public services.

Website: www.teldat.com

SPAIN
Calle Isaac Newton, 10
Tres Cantos - 28760
Madrid (Spain)
Phone:+34 91 807 6565
info@teldat.com

Publish Date: April, 27th 2022
Version: 20221103113200