

Introduction

The SDE-10K device class is perfectly suited as an edge device solution for data centers as well as large branch and subsidiary offices. Especially small and medium-sized enterprises with adequate performance requirements can benefit from the balance between price, performance and functionality. But also for large enterprises, with high performance requirements (up to 1 Gbps) in decentralized branch offices, this device class is well suited to establish and operate a state-of-the-art SD-WAN network and to benefit from corresponding advantages ZTP, overlay technologies and security and performance enhancing clustering.

Product Highlights

- ▶ Integrated SD-WAN management
- ▶ Highly secure RFC compliant encryption methods
- ▶ Zero Touch Provisioning integrated
- ▶ Professional and advanced O.S.
- ▶ Based on trusted x86 architecture
- ▶ 19-inch form factor 1 UE

Interfaces

Teldat SDE-10K-Series

Competitive Advantage

SD-WAN system	SDE-10K is closely integrated with the Teldat management for SD-WAN networks, be.SDx Corp, so it allows to configure and monitor the device easy and centrally
Multiple WAN support	SDE-10K supports simultaneously different type of network access as MPLS and/or Internet broadband. Then, hybrid networks are supported with minimum cost.
Multiple deployment scenarios	Can be used as a concentrator for companies with low to medium throughput rates as well as for branch offices with high performance requirements.
Several platforms	SDE can be deployed over x86 servers, supporting up to 1 Gbps in one server. Several models are certified and tested to cover customer requirements.

Scenarios

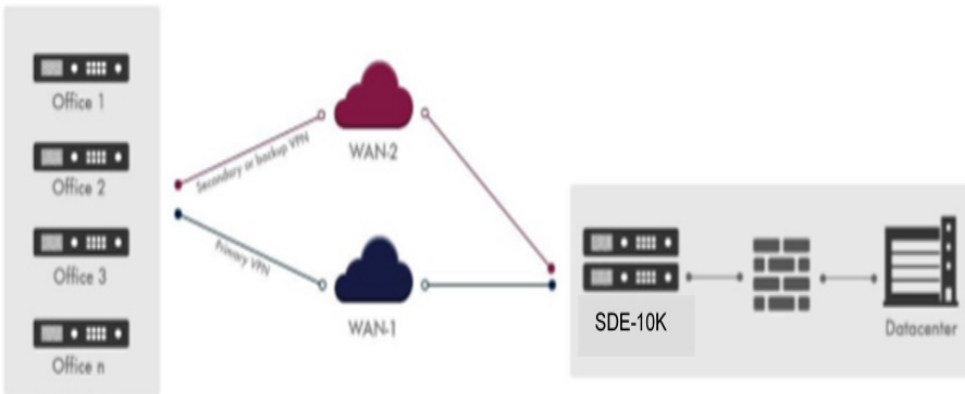


Figure: Typical scenario

Figure:

Key Features

Bandwidth support for medium corporate datacenters SDE-10K is designed to be installed in large enterprise datacenters, it supports the most common bandwidth requirements with 1100mbps encrypted throughput(IMIX) with 1000 tunnels.

Integrated management with SD-WAN Controller SDE-10K is closely integrated with be.SDx Corp, the Teldat management system for SD-WAN networks, so it allows to configure and monitor the device easy and centrally.

High availability support in active-active scenario SDE-10K can be deployed in a high available architecture (active-active), and in case one of the appliances crashes, the other one can handle all the traffic.

Horizontal scalability In case of network traffic increase additional devices can be added easily, Teldat Controller will coordinate them without user intervention.

Trusted x86 hardware for datacenters SDE-10K is designed for high performance, high reliable services, using hardware based on well known x86 server platforms that guarantee the stability.

4 x 2 Gbps ports Hybrid networks can be solved using a single SDE-10K, providing this way a cost effective solution for medium network size.

Easy onboarding based on ZTP mechanism SDE-20K provides the automatic provisioning and configuration without technical intervention in a Teldat SD-WAN network.

HARDWARE TECHNICAL FEATURES

Performance (SD-WAN encrypted traffic)

1100 Mbps (IMIX)

1000 Tunnels

Network Ethernet connections

4 x 1 Gbps (Up to 2 Gbps)

1 x 1 dedicated IPMI LAN

Certified servers

Supermicro (8 cores, 4GB RAM, SSD 120GB HD)

SOFTWARE TECHNICAL FEATURES

Management

Centrally managed using Teldat SD-WAN management platform

Easy device onboarding and config. from CNM templates

Operating system lifecycle management from management platform

Application routing

Application Based Routing, using IPSLA to monitor the network status.

Network information to take traffic decisions: delay, jitter, loss

Deep Packet Inspection (DPI) for application routing up to level 7

SD-WAN Quality of Service

Four priority levels (Real-Time, High, Medium and Low)

Per application guaranteed Bw allocation in case of congestion

Per application rate limit

Network Architecture

Network overlay based on DMVPN with standard IPsec and AES encryption

Internet and MPLS WAN access and control in each device

BGP/OSPF routing protocols supported for internal LAN routing

Security

DMVPN based overlay to isolated customer network from WAN networks

VRFs in each WAN and LAN interface.

Standard IPsec with state of the art encryption

High Availability

Cluster based architecture in active-active mode

ADDITIONAL TECHNICAL FEATURES

Teldat Reverse Traffic Steering (TRTS)

Cutting edge solution to minimize tunnels number in SD-WAN scenarios

FLEXIBLE

COMMUNICATIONS SOLUTIONS

THAT GROW WITH YOU.

Teldat SDE-10K-Series

SD-WAN Datacenter Edge



Teldat is a leading provider in Enterprise Communications equipment and Services for the top corporate to mid-sized and SME markets.

About TELDAT



ROUTERS | Wi-Fi | MANAGEMENT | TRANSPORT | SMART GRID | INDUSTRIAL | VoIP | CLOUD | SECURITY | NFV |

Teldat Group is a leading technology holding that designs, manufactures and distributes advanced Internetworking platforms for corporate environments, providing new and cutting-edge communication solutions without ever losing sight of its customers real requirements. Teldat's solutions development is based on proprietary technology, which is in the Group's DNA. This allows Teldat to be a leading provider in Enterprise Communications equipment and Services for the top corporate to midsized markets, as well as the SME and SoHo markets.

From a geographical viewpoint, Teldat Group has a presence in all continents, with its corporate headquarters located in Spain, and operational affiliates in Europe (Germany, Austria, Portugal, Italy and France) and in LATAM (Mexico and Brazil), as well as two business development offices in USA and China.

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Publish Date: July 1, 2020
Version: 20200701123007