Product Overview

The Centec Series TAP (Test Access Port) Switches are high performance Pizza box TAP switches to meet next generation Carrier and Enterprise network requirements for traffic analysis and traffic monitoring.

V530 TAP switch is designed based on Centec's sixth generation chipset CTC7132, which supports flexible features of traffic aggregation /filtering /editing/ distributing.

V530-TAP switch comes with Centec's CNOS based system software that supports various TAP functions, including M: N, symmetrical HASH, traffic filtering and packets editing. The system supports multiple management mechanism for rapid and flexible service deployment.

The V530-TAP Series Switches currently include these configurations: V530-24X2C/V530-24X2Q/V530-24T8X/V530-48T4X/V530-48S4X.

Figure 1 Centec V530 Series TAP Switch

Feature Highlights

- Standard 1RU pizza-box solution
- Up to 880Gbps switching capacity
- Cut-Through switching mode
- Flow aggregation / copy / distribution
- Support packet truncation
- Support VxLAN decryption
- Support GRE/NVGRE encryption and decryption
- Support M:N traffic aggregation and replication.
- Support Ingress and Egress filter.
- Support time stamping and Vlan port tagging
- Support ERSPAN encapsulation
- Support Vxlan encapsulation
- Support to match MPLS packets and support MPLS decapsulation
- Support to match PPPOE packets and support PPPOE decapsulation
- Support to match PBB packets
- Support UDF
- Support IPFIX
- Support Port-Group
- Support Hash based load balancing， session stickiness
- Support Round Robin style load balancing
- Support 5-tuple (ipsa, ipda, ip src port, ip dst port, ip protocol), IP truncation analysis, User defined fields(UDF) filtering
- Support editing the IPv6SA/IPv6DA/ IPDA/IPSA and MACDA/MACSA and VLAN of packets.
- Support TACAS+ authentication
- Supports console, Tenlet, SNMP, Syslog，SSH, Open API and WebUI management
- Support to decapsulate the GTP v1/v2 packets from user
- Support to telnet other devices via management interface
- Support to calculate the md5sum of a file
- Support to operate the device with IPv6 address of the management interface
- Support to set the banner of the device
- Support Strip header for all packets
- Support redundant power supply.
- Low power consumption

Applications

In a data center network, it needs to monitoring, backup and analysis the traffic before and after the firewall; and with the same requirements in the internal network areas. For different business department such as online-banking, authorizing, their traffic also need to be monitoring and backup.

In these scenarios, the traffic need to be aggregated and then distributed to kinds of security, monitoring, storage and analysis servers for furthermore usage.
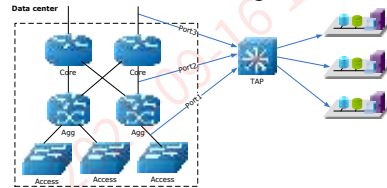

Figure2 Data center application

Order Information

Product	Description
V530-24X2C	24 x 10GE SFP+ ports 2 x 100GE QSFP28 ports Dual modular AC power supply Front-Rear Airflow, fixed FAN
V530-24X2Q	24 x 10GE SFP+ ports 2 x 40GE QSFP+ ports Dual modular AC power supply Front-Rear Airflow, fixed FAN
V530-24T8X	Standard 1U 19'' rack mountable 24x10/100/1000 Base-T ports 8x10GE SFP+ ports Single built-in AC power supply Front-Rear Airflow, fixed FAN
V530-48T4X	48 x 1GE Base-T ports 4 x 10GE SFP+ ports Dual modular AC power supply Front-Rear Airflow, fixed FAN
V530-48S4X	48 x 1GE SFP ports 4 x 10GE SFP+ ports Dual modular AC power supply Front-Rear Airflow, fixed FAN

Table-1 Order Information

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