

Centec V580-TAP Series Device

Product Overview

The Centec Series TAP (Test Access Port) is high performance Pizza box switches to meet next generation network visibility requirements, for delivering network traffic data to out-of-band and inline network and security analysis tools.

V580 TAP is designed based on Centec's fourth generation chipset CTC8096 and software platform CNOS, which supports various of TAP functions, including M: N aggregation and replication, load balancing, tunnel de-encapsulation, traffic filtering and packets editing. In additional, the system offers wide set of capabilities for management needs, as WEB GUI, Open API, SNMP etc.

The V580-TAP Series Switches currently include these configurations: V580-20Q4Z/V580-48X2Q4Z/V580-48X6Q/V580-32X2Q/ V580-32X.



Figure 1 Centec V580 Series TAP Switch

Feature Highlights

- Standard 1RU pizza-box solution
- Up to 2.4Tbps switching capacity
- Cut-Through switching mode
- Flow aggregation / copy / distribution
- Support 1G/10G/40G/100G ports.
- 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 IPFIX
- Support UDF
- Support port-group
- Support Hash based load balancing, session stickiness
- Support 5-tuple (ipsa, ipda, ip src port, ip dst port, ip protocol), IP truncation analysis, User defined fields(UDF) filtering
- Supports console, Tenlet, SNMP, Syslog, SSH, Open API and WebUI management
- 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 (V580-20Q4Z 160W, V580-48X2Q4Z 200W, V580-48X6Q 190W, V580-32X2Q/V580-32X 150W)

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 replicated to various of security, monitoring, storage and analysis servers for furthermore usage.

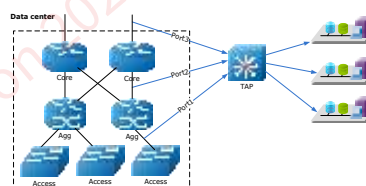


Figure2 Data center application

Order Information

Product Number	Description
V580-20Q4Z	Centec V580-20Q4Z, 20x40GbE QSFP+ & 4x100GbE QSFP28 switch, front-to-rear airflow and dual AC power supplies TAP System Software
V580-48X2Q4Z	Centec V580-48X2Q4Z, 48 x SFP+ & 2x40GbE QSFP+ & 4x100GbE QSFP28 switch, front-to-rear airflow and dual AC power supplies TAP System Software
V580-48X6Q	Centec V580-48X6Q, 48 x SFP+ & 6x40GbE QSFP+ switch, front-to-rear airflow and dual AC power supplies TAP System Software
V580-32X2Q	Centec V580-32X2Q, 32 x SFP+ & 2x40GbE QSFP+ switch, front-to-rear airflow and dual AC power supplies TAP System Software
V580-32X	Centec V580-32X, 32 x SFP+ switch, front-to-rear airflow and dual AC power supplies TAP System Software

Table-1 Order Information



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