



Managing Connections Smarter

# GreenNet Rack TAP SWITCH —TAP-32P-CGE

## DataSheet

### Overview

TAP-32P-CGE is a traffic probe TAP switch with high port density, rich working modes, efficient and flexible deployment, convenient management and maintenance, etc.

TAP-32P-CGE provides a powerful intelligent flow processing function, supports flow port and VLAN tag marking, aggregation, filtering, replication, or load balancing, suitable for complex application environments with a large number of links, large scale traffic, and high density. TAP-32P-CGE combines splitter, filtering analysis equipment, and load balancing equipment into one box, providing a convenient and efficient data collection solution for network security, protocol analysis and signaling detection systems.



### Features

- High port density, providing 32 40G/100G Ethernet interfaces, and support 4x10GE interface form through breakout mode, support converting 100G interface into 4x25G interfaces through AOC module.
- Ports can be flexibly configured as input and output interfaces.
- Full-duplex line-speed flow processing capability, no packet loss even at full line-speed
- Supports full data flow aggregation. The flow of all ports is aggregated before processing. The output flow is fully integrated.
- Provides detailed port traffic statistics counters.
- Supports traffic replication for outputting multiple copies of traffic according to policies such as ports and filtering policies
- Powerful flow classification processing function, processing flow according to various characteristics such as input port, five tuples, characteristic fields and application protocol, etc.
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- user-interface to provide complete command line management, WEB page management, and SNMP management interface
- Provides detailed multi-level device log.

### Typical Scene

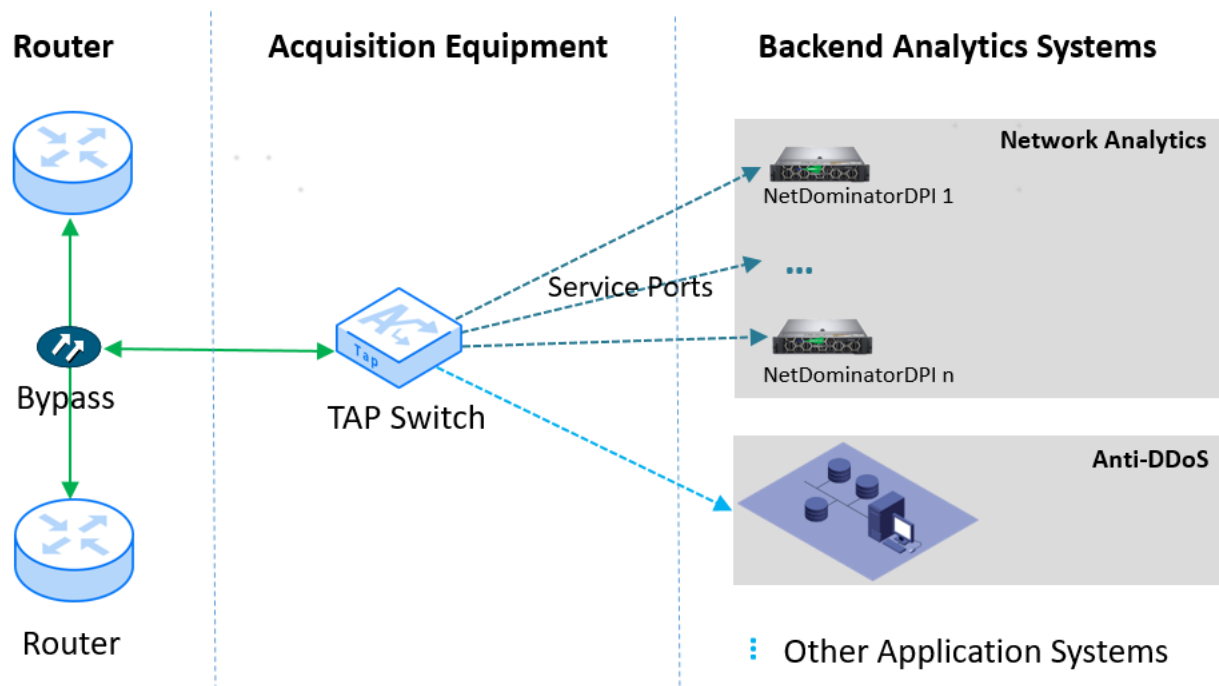
TAP-32P-CGE designed for traffic collection of dense 40GE/100GE links in large-scale LANs or operator networks. It is deployed in the network in inline or bypass mode and provided bypass protection. It adapts to various application environments and provides real-time

network traffic for network information monitoring equipment, network service analyzers, Anti-DDoS, signaling analyzers, and other equipment as needed.

A traffic filtering function identifies HTTP, Email, and other business-related content traffic and discards useless traffic, thus reducing the traffic pressure on the business system.

Provide traffic mirror function based on port and flow rules to meet the traffic data collection needs of parallel deployment of multi-service systems.

TAP switch usually processes traffic based on a hash algorithm. The results of the hash value from the same flow are the same, through the destination IP hash rule (one of the 5-tuple hash rules) can be balanced to forward of flow from the same user session to a fixed output port by ensuring the integrity of flow from the same user session.



## Specifications

Parameter	Description
<b>Size</b>	Chassis size: 445 x 44 x 340 mm (W x H x D) Dimensions with packaging: 575 x 120 x 430 mm (W x H x D)
<b>Wight</b>	Net weight of equipment: 6.6Kg; weight with packaging: 8kg
<b>Traffic Interface</b>	32 40G/100G Ethernet ports, QSFP28
<b>Management Interface</b>	1 10/100/1000M management network port, RJ45. 1 standard UART console serial port, RJ45
<b>Management</b>	Web page management mode; Local and remote CLI command line interface; RPC remote call interface
<b>Power Supply</b>	Dual redundant power supply AC specification input: 100 ~ 240VAC (50Hz/60Hz) or 145 ~ 350VDC DC specification input: - 40 ~ -60VDC
<b>Maximum Power Consumption</b>	380W

<b>Environment</b>	Working temperature: 0 ~ 45°C; Storage temperature: -5 ~ 70°C; Humidity: 5% ~ 90% (non-condensing)
<b>Environmental Standards</b>	RoHS Compliant

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