



## NPB-F1-32CE

### Product Description

32 \* 100GE (QSFP28, backward compatible with 40GE QSFP +), 1 Console, 1 port RJ45 package, mainly for 100G link between 3 to 12 100G link, the link load of less than 60% of the telecommunications applications Scene, to achieve data aggregation, shunt, same source and same destination, balanced output, product is widely used in core network, internet, IDC traffic monitoring and so on.

### Product Features

- Support 32 100GE (QSFP28) interface, the machine supports 3.2T wire speed processing
- Any 100G ports support backward compatible 40GE (QSFP +) interface, or 4 \* 10GE (MPO)
- Support traffic aggregation, replication, streaming, mirroring, and filtering
- Support outbound port MAC address replacement
- Support IPv4 / v6 dual stacks to support the identification, filtering and forwarding of tunnel protocols such as IPv6 over IPv4 and IPv4 over IPv6.
- Support the identification, filtering, and forwarding of tunneling protocols such as VLAN, MPLS, GRE, and GTP
- Support the addition, stripping and replacement of VLAN tags
- Support IP fragmentation identification, filtering and forwarding
- Provide protocol-based, IP address, port number quintuple filtering
- Support for signature field filtering
- Provide maintenance and management interfaces, including status queries, maintenance management
- Support based on RS232 local operation and maintenance interface, based on Telnet / SSH remote operation and maintenance interface and network management interface
- Support SNMP v3, backward compatible with v1, v2c
- Support WEB interface remote control

## Product Specification

### General Specification

Message identification	Link packets, VLAN packets, MPLS packets, PPPOE packets, IP layer packets, IPv4 packets, Ipv6 packets, TCP / UDP packets, ICMP packets, IGMP messages, GTP packets, GRE Packets, IP layer tunnel packets, L2TP / PPTP tunnel packets, and IPSec tunnel packets
Rule match	Five - tuple, TCP Flag, transport layer payload length and signature, compound rule, multi-user rule Rule capacity: accurate five-tuple 64K, mask five 1K
Data processing	Multi-mode load balancing shunt, traffic statistics, traffic mirroring, forwarding and discarding
Basic performance	100G access capability, 64/80 bytes packet throughput, 0 packet loss rate, packet forwarding delay less than 2us, configuration table response speed is less than 10us, the rules issued 50,000 times per second, the average trouble-free work Time> 18000 hours, the average recovery time <0.5 hours
Electrical characteristics	Weight 8.4kg, size 440mm * 406mm * 44mm (W * D * H), temperature 0 ~ 50 °C, humidity 5% ~ 95%, vibration 20Hz ~ 2KHz, power consumption <350w, environmental protection RoHS6

### System Interface

Link access port	32 100GE (QSFP28) or 32 40G (QSFP +) or 128 10G (QSFP + MPO)
Maintenance management interface	1 Console, 1 GE interface (interface encapsulated as RJ45)