NPB-AL-2CE16XE Card

Product Description

2 * 100GE (CFP2), 16 * 10GE (SFP +). 1 Console, 1 GE interface. Mainly for 4G / LTE, IMS, IDC, routing and switching, network security, application gateways and other telecommunications applications, to achieve data aggregation, shunt, same source same destination, balanced output. Product is widely used in network security, operator and traffic analysis market.

Product Features

- Support 100GE input, 10GE output
- Support 40G backplane switching, support dual star architecture
- Support traffic aggregation, replication, streaming, mirroring, filtering, support homology, guaranteed user / session integrity
- Packet Sampling and Flow Statistics: Sampling packets and session flows for input packets and session streams based on preset ratios to reduce analysis traffic pressure for back-end specific systems
- Support IPv4 / v6 dual stack, IPv6 over IPv4, IPv4 over IPv6 and other tunneling protocol identification and stripping
- Support IP fragmentation identification, filtering and forwarding
- Support VLAN identification, filtering, and forwarding of tunneling protocols such as VLANs, MPLS, GRE, and GTP, and supports internal and external IP extraction. Configurable to support inbound IP routing, IP port replacement, VLAN TAG and MPLSLabel stripping
- Provide protocol-based, IP address, port number quintuple filtering, support for transport layer loads Fixed location and window range floating
- Location signature field filtering, signature length can be supported to 64 bytes, signature field offset User configurable greater than 128 bytes
- Support based on RS232 local operation and maintenance interface, based on Telnet / SSH remote operation and maintenance interface and network management interface
- Support SNMPv3, backward compatible with v1 / v2

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
Data processing	Multi-mode load balancing shunt, traffic statistics, MAC address replacement, packet header stripping, packet sampling, packet header output
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 of 2.7kg, size 350.1mm * 292.0mm * 30.5mm (W * D * H), temperature 0 ~ 50 ℃, humidity 5% ~ 95%, vibration 20Hz ~ 2KHz, power consumption 275w, environmental protection RoHS6

System Interface

Link access port	Two 100GE (CFP2), 16 10GE (SFP +), 2 40GE backplanes (BaseBase-kr)
Maintenance management interface	1 Console, 1 GE interface (interface encapsulated as RJ45)