![CGS Tower Networks Ltd logo]

Mini Plus
Packet Broker

Next generation appliances

Product Overview

In today's modern network architectures, cyber and monitoring tools are required to handle incoming traffic from multiple visibility devices including TAPs, SPAN ports and NPB (Network Packet Broker) appliances. The volume and diversity in types of traffic can be overwhelming to these tools. Duplicated packets may cause applications to be stretched to the limits of their processing power whereas packets with multiple headers (e.g. MPLS, VLAN tags, ERSPAN etc.) are often unrecognized by these tools and typically dropped.

The Mini NPB is the most compact and full feature packet broker in the market, ideal for a small number of links. It can meet the basic aggregation and filtering requirements as well as advanced features such as Load Balancing Header Stripping, Deduplication, Data Masking, Packet Slicing, Time-Stamping, Data Capture and De-Fragmentation.

Key Features

Affordable Network Packet Broker with advanced features

Compact and portable Network Packet Broker

2 x 10G SFP + 4 x 1G Copper Ports

Aggregation, Filtering, Load Balancing Header Stripping, Deduplication, Data Masking, Packet Slicing, Time Stamping, Capture, De-fragmentation, White/Black list and String/URL/Regular expression Filtering, NetFlow/IPFIX

Use Cases

- Remove duplicated packets to optimize security and monitoring application performance
- Enhance legacy packet broker deployments with advanced features
- Single appliance with basic and advanced packet broker features for small sites
- MPLS stripping to enable monitoring of MPLS networks
- Mask sensitive and private customer information
- GTP inner IP load balancing
- Debug & diagnostic

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Features and benefits

Features	benefits
Aggregation	Aggregate and redirect network traffic from selected ingress ports to egress ports for further processing
Filtering	Optimize tools performance by filtering out unnecessary network traffic with conditional 5-tuple filtering (MAC address, EtherType, IP address, TCP Port, UDF)
Simplified Operation	Simplify filter generation with multiple classifiers, AND/OR/NOT operators, and port ranges in a single filter operation
Layer-7 Filtering	Identify thousands of layer 7 protocols
Regex Filtering	Filter traffic by matching patterns and strings defined by the use of regular expressions
Session Tracking	Ensures that the entire stream of packets associated with the matched pattern will be sent to the egress tool
Port Labelling	Track packet path by adding VLAN tags that indicate its ingress port
Header Stripping	Remove protocol headers (MPLS, VLAN, PPP, QinQ, VN-TAG, VXLAN, GRE, GTP, ERSPAN) to offload resources and accommodate tools that cannot handle traffic
Deduplication	Eliminate duplicated packets gathered from multiple collection points based on a window per packet signature and configurable window size
Data Masking	Protect sensitive data by overwriting it before it is sent to the tools
Packet Slicing	Improve monitoring and network data analysis performance by reducing packet size and maintaining the required packet slice for further processing
Capping & Sampling	Reduce traffic by sampling traffic and/or limiting rates
Time Stamping	Enhances network visibility with nanosecond time stamping capabilities
Capture	Capture PCAP files in filter granularity for further analysis
De-Fragmentation	Assemble packet fragments to complete packets
IPFIX/NetFlow	Generation and distribution of IPFIX/NetFlow flows supporting up to 16 different IPFIX profiles, that can each be configured separately and attached to any filter
Management	Web UI, CLI, SNMP, NetCONF, REST API

For more information about the products and support programs
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