GARLAND
TECHNOLOGY
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PB100 Packet Broker System
10G/25G/40G/100G | 1U Chassis | 32 Port
Supports Filtering, Aggregating and Load Balancing

Individually Configure Ports for Optimum Flexibility

The PB100-32 Port is a fully functional Network Packet Broker System (NPB) that is ideal for large and medium size data centers. The PB100-32 is supported by Open Network Ecosystems and seamlessly integrates into open network environments, including OpenFlow and SDN.

There are no additional per-port license fees and it accepts all industry standardized QSFP28 pluggables/transceivers. Flexible port speeds (port splitting) can scale according to network needs (10G/25G/40G/100G) and can be changed within the interface menu.

Key Features

- Supports 10G/40G/100G network speeds
- Uses industry standard QSFP28
- OpenFlow/SDN enabled
- 32 fully supported ports - no additional per-port license fees
- Port splitting functionality
- Supports jumbo frames
- Hot swappable & dual power supplies AC standard, DC available
- Aggregate network traffic to a single or multiple tools

- Support 80 plus platinum standard
- Support filtering by TCP/UDP port
- Support 100GBaseLR4 and 100GBaseSR
- 4k filters
- 1096 TAP groups
- 256 Aggregate groups
- Session/flow aware load balancing
- Flow replication and port mirroring
- Multi-device stacking
- Data burst buffering
- Forward latency, less than 1uscc

APPLICATIONS:

> 100% Visibility for monitoring & performance tools

> High Density filtering, aggregation and load balancing

> Aggregation solution for large and medium size data centers

> Aggregation for enterprise and service provider networks

SECURITY FEATURES:

Ingress/Egress L2/L3/L4 ACL, AAA (Accounting & Authorization), ACL Logging and Mirroring, DHCP Snooping, DOS Protection, IP Source Guard, MAC locking, Protected ports, RADIUS, TACACS+

Competitive Edge

- Open Network Ecosystem support
- Uses industry standard transceivers
- No additional licensing fees
- Full port access
- VLAN tagging and stripping
- MPLS heading stripping

TESTED CERTIFIED GUARANTEED

FILTERS HIGHLIGHTS:
- Management filtering: SNMP/Telnet, SSH, MAC, IP (SNMP/Telnet/SSH)
- Layer 2: 136K Mac Addresses, 4K VLANs, Storm Control, STP, VLAN, LLDP, Link Aggregation, Snooping
- Layer 3: 264K Routes, ARP, IGMP v2/v3, ICMP v4/v6, IPv4, IPv6, OSFP, VRRP, BGP, ECMP, PIM

Management

GUI, CLI, Telnet/SSH, TFTP/xmodem/FTP, IPv6, Port mirroring, sFlow, RADIUS, TACAS+, SNMP, Syslog

Have Questions?

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Filtering TAP options

Model #	Ports	Network Speed	40G Port	100G Port	Power *	Watts	SNMP /Syslog support
PB100G32AC		10/25/40/100G	(32) QSFP+	(32) QSFP28	AC Power	410	Yes

Available Pluggables & Cables:

| Model #	Description
QSFP+40GBiDi	QSFP+ 40Gigabit-SR-BiDi Multi-Mode Fiber LC Connector
QSFP+40G	QSFP+ 40Gigabit-SR Multi-Mode Fiber MPO-12 Connector
QSFP+40-LR4	QSFP+ 40Gigabit-LR4 Single Mode Fiber LC Connector
QSFP28-4SFP28-Cable_1	100 Gigabit Ethernet QSFP28 to (4) x 25 Gigabit Ethernet SFP28 Splitter Cable, 1 Meter

1U Chassis Specifications:
Support for: QSFP28, SFP+ (SR, LR, ER)
Operating Temp.: 0C to 45C / 32F to 122F
Operating Humidity: 20% to 80% non-condensing
Airflow: front to back
Voltage: AC: 100v - 240v 50/60Hz
*DC Available by request

PB100G32AC Dimensions:
1.75"H x 17.3"W x 16"D
(43 mm H x 440mm W x 432mm D)

Port Configuration

• (32) 100G ports   • (128) 25G ports   • (32) 40G ports   • (128) 10G ports

Mgmt Ports
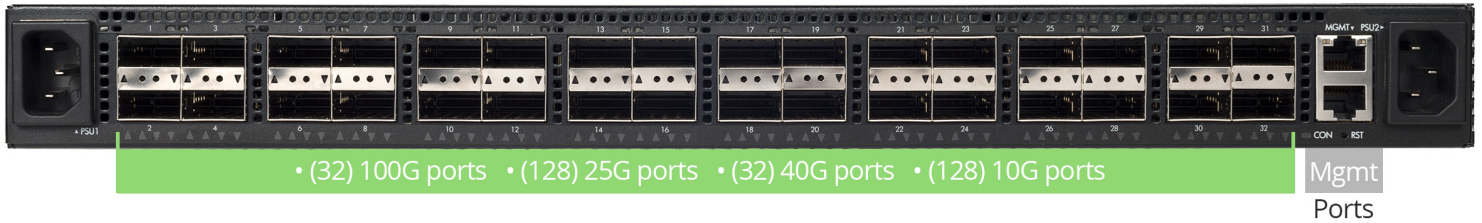
Individually Configure Ports for Optimum Flexibility

- 32 100G-SR ports with QSFP-28
- 32 40G-SR4 ports with QSFP-40

Port Splitting Functionality - No Additional License fees:

- 128 25G ports with port splitting of each 100G link (4-25G from each 100G port)
- 128 10G ports with port splitting of each 40G link (4-10G from each 40G port)

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