



# PB100 Packet Broker System

10G/25G/40G/100G | 1U Chassis | 24 Port

Supports Filtering, Aggregating and Load Balancing



The PB100-24 Port is a fully functional Network Packet Broker System (NPB) that is ideal for large and medium size data centers. The PB100-24 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 SFP+/ 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.

Timestamping - Layer 2 Header

256 Ingress/Egress filters/flows

· Aggregate network traffic to a single or

· Session/flow aware load balancing

· Flow replication and port mirroring

Forward latency, less than 1uscc

• 64,000 filter rules

• 512 map rules

multiple tools

Multi-device stacking

# Key Features •

- Supports 10G/25G/40G/100G network speeds
- Uses industry standard SFP/SFP+/QSFP28
- OpenFlow/SDN enabled
- 24 fully supported ports no additional per-port license fees
- Port splitting functionality
- Supports jumbo frames
- IPv4 and IPv6 support
- $\cdot$  Hot swappable
- Dual Power Supplies, AC standard, DC available
- FILTERS HIGHLIGHTS:
- Management filtering: SNMP/Telnet, SSH, MAC, IP (SNMP/Telnet/SSH)
- Filters supported: Filter on, add, remove and modification: MPLS, VLANs, MAC SRC, VXLAN, NVGRE, MLAG, GENEVE, modify load balance L2/L3 hash, nFLOWS, sFLOWS CDRS generation and output to graphs and SNMP traps.
- · Stacking of rules supported for advanced filtering functionality

## Management

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

#### **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

#### Competitive Edge 🔘

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



#### Have Questions?

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# **PB100 Packet Broker System**

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Filtering TAP options										
Model #	Ports	Network Speed	40G Port	100G Port	Power Consumption	Watts				
PB100G24AC		10/25/ 40/100G	(20) QSFP+	(4) QSFP28	1+1 load sharing AC Power Supplies	190W				

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: QSFP+, QSFP28, SFP+ (SR, LR, ER) Operating Temp.: 0C to 50C / 32F to 122F Operating Humidity: 20% to 70% non-condensing Airflow: front to back Voltage: AC: 100v - 240v 50/60Hz **PB100G24AC Dimensions:** 1.75"H x 17.3"W x 18.5"D (44.45 mm H x 439.42mm W x 469.9mm D)

### Port Configuration

#### Each port can be individually configured for optimum flexibility

	(96) 10G Ports (QSFP40)						
	(10) 40G Ports		(10) 40G Ports				
CON SYS FAN FWN 16 Serial USB 2 4 PB100G24							
Mgmt Bundle Port Ports (4) 10G Ports (Utilizes Port 1 40G Q		40G/100G (4) 100G-SR ports w (16) 25G ports for e	/ith QSFP-28 ach 100G port; each 100G port				

can be configured into (4) 25G ports • (4) 40G-SR4 ports with QSFP-40

See every bit, byte, and packet\*

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