cPacket

TapAgg Packet Broker (cVu AG)

and Monitoring Observability Nodes

Acquire and curate every packet. Deliver the ones that matter to security and performance tools.

PRODUCT OVERVIEW

cPacket TapAgg Packet Broker (cVu AG) and Monitoring Observability Nodes

Today's high-speed networks present great opportunities and challenges for businesses facing constant change. High-speed networks permit organizations to succeed in rapidly changing markets. Organizations require zero downtime to move at warp speed. But those same high-speed networks also make it easier for trouble to hit businesses fast and hard in the form of security breaches and network outages. cPacket's network packet brokers are fundamental to robust network monitoring, security and observability solutions.

Scalable Performance

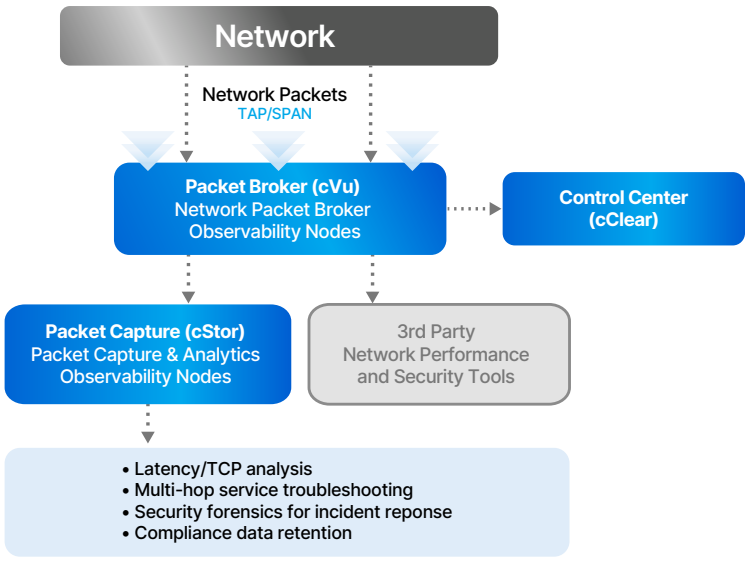
Scale from 10Gbps to 400Gbps with line rate processing in a non-blocking architecture, for efficient pipelining of network packets from multiple sources to multiple targets.

Advanced Packet Processing

Cost-effective concurrent multi-port network traffic acquisition, aggregation, filtering, load balancing, and forwarding. Plus advanced features including nanosecond time stamping, packet slicing, and microburst analytics (10ms granularity).

High-density Packet Aggregation

In a 1RU or 2RU form factor, choose 32 ports of 400Gbps or up to 128 ports of 100Gbps, with added flexibility to operate in mixed modes to tap at different network speeds.



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TapAgg Packet Broker (cVu AG) Technical Specifications

	cVu 32100AG / EAG	cVu 64100AG / EAG	cVu 32400AG / EAG
Key Features			
Traffic Aggregation/Replication	Yes	Yes	Yes
Packet Slicing/Truncation	Yes	Yes	Yes
Load Balancing	Yes	Yes	Yes
VXLAN Termination	Yes	Yes	Yes
L2/L3 Protocol Stripping (VLAN/MPLS/ERSPAN)	Yes	Yes	Yes
Filtering	Yes	Yes	Yes
Microburst Analytics (cBurst) (10 mS Resolution)	Yes *	Yes *	Yes *
MAC Replacement Timestamping (64 nS Resolution)	Yes *	Yes *	Yes *
Time Sync Management (PTP/NTP)	Yes	Yes	Yes
Role-Based Administration	Yes	Yes	Yes
Software Upgrade/Restore	Yes	Yes	Yes
GUI, Serial Console and CLI	Yes	Yes	Yes
SNMPv3 and MIB	Yes	Yes	Yes
Unlocked Optical Transceiver	Yes	Yes	Yes
Optical Transceiver Diagnostics	Yes	Yes	Yes
TACACS+/RADIUS Authentication	Yes	Yes	Yes
Unified Management (requires cClear)	Yes	Yes	Yes
Certified FIPS 140 Level 2 Cryptography	No	Yes	No
TAA Compliance	Yes	Yes	Yes

** Requires EAG Upgrade License*

Interface Connectivity			
1 GbE Ports (SFP)	(128**)	(128**)	(128**)
10 GbE Ports (SFP+)	128**	128**	128**
40 GbE Ports (QSFP+)	32	64	32
100 GbE Ports (QSFP28)	32	64	128 †
400 GbE Ports (QSFP-DD)	-	-	32
Management Interface	Ethernet/Serial (RJ45)	Ethernet/Serial (RJ45)	Ethernet/Serial (RJ45)
Timing/Synchronization	PTP/NTP	PTP/NTP	PTP/NTP
Throughput	3.2Tbps	6.4Tbps	12.8Tbps

*** Using QSFP+/QSFP28 breakout box/cable; check with cPacket Networks or your sales representative for availability.*

† Using QSFP-DD breakout box/cable; check with cPacket Networks or your sales representative for availability.

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Dimensions and Weight			
Height/Rack Unit	1.72" (4.4 cm) 1U	3.46" (8.8 cm) 2U	1.72" (4.4 cm) 1U
Width	16.85" (42.8 cm)	16.85" (42.8 cm)	16.85" (42.8 cm)
Depth	22.0" (55.9 cm)	22.3" (56.6 cm)	22.0" (55.9 cm)
Weight	24.5 lbs (11.1 kg)	33 lbs (15 kg)	25.4 lbs (11.52 kg)
Operating Conditions			
Operating Temperature	32° F – 104° F 0° C – 40° C	32° F – 104° F 0° C – 40° C	32° F – 104° F 0° C – 35° C
Operating Humidity	5% – 85%	5% – 85%	5% – 85%
Certifications	FCC Class A CE Certification	FCC Class A CE Certification	FCC Class A CE Certification
Power and Cooling			
Airflow	Front-to-Back	Front-to-Back	Front-to-Back
Typical Power Consumption (with passive cables)	242 W	466 W	630 W
Power Redundancy	1+1 AC/DC 100-240 VAC 50-60 Hz	1+1 AC/DC 100-240 VAC 50-60 Hz	2 (1+1 redundant) AC 100-240 VAC 50-60 Hz

Find out more

Learn more about **cPacket's Packet Brokers**. Visit **cpacket.com/packet-broker**