

cPacket Packet Capture (cStor®) & Analysis Observability Nodes



Capture and analyze network packet data at line-rate

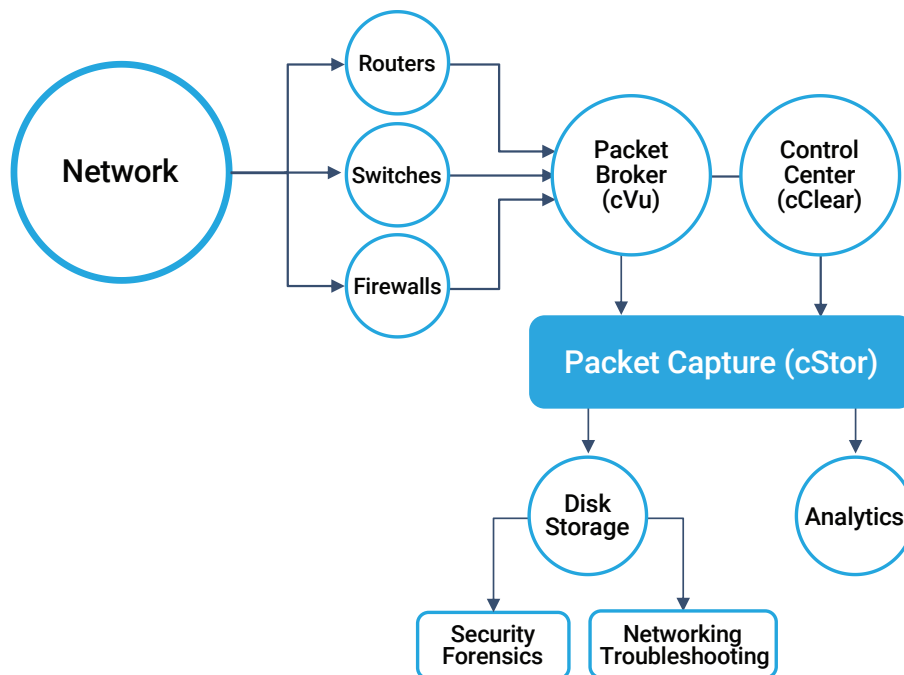
Today's large enterprises require zero downtime, continuous change and unceasing vigilance against risks. To deliver on those requirements, enterprises need an observability solution built on reliable and accurate packet data. Those solutions must operate at line-rate, anywhere and continuously.

Fast multi/hybrid-cloud networks increase pressure on IT teams to keep infrastructure reliable and secure. Each packet zooms by in just 6.7 nanoseconds at 100 Gbps—a bare instant for networking tools to capture, analyze, and index packets.

That's where cPacket Packet Capture can help, by capturing and analyzing every packet as it crosses the network at line-rate. Packet Capture's rapid capture-to-disk (CTD) enables NetOps and SecOps to deliver business continuity, better operational efficiency, and more robust security by monitoring network reliability and security in real-time, while also looking backward to investigate incidents that happened in the past.

Packet Capture combines compute, storage and networking in a single, compact device, capturing and analyzing every packet. The appliance delivers high-fidelity metrics for network throughput, capacity, latency and errors.

The cPacket Networks Intelligent Observability Platform



Packet Capture Technical Specification

Key Features

	cStor 10S	cStor 20S	cStor 30S	cStor 40S	cStor 100S	cStor 200S
Precision Time (PPS)	Yes**	Yes**	Yes**	Yes**	Yes**	Yes**
Packet Indexing	Yes	Yes	Yes	Yes	Yes	Yes
Fast/Expedited Querying	Yes	Yes	Yes	Yes	Yes	Yes
Multiple Capture Merge	Yes	Yes	Yes	Yes	Yes	Yes
Flow Analytics	Yes	Yes	Yes	Yes	Yes	Yes
TCP Analytics	Yes	Yes	Yes	Yes	Yes	Yes
Latency/Jitter Analysis	Yes	Yes	Yes	Yes	Yes	Yes
Real-Time Protocol Analysis	Yes	Yes	Yes	Yes	Yes	Yes
Multicast Video Analysis	Yes	Yes	Yes	Yes	Yes	Yes
Financial Protocol Analysis	Yes	Yes	Yes	Yes	Yes	Yes
Market Data Feed Analytics (cMDF)	Yes	Yes	Yes	Yes	Yes	Yes
Data Encryption	Yes	Yes	Yes	Yes	Yes	Yes
Integrated Wireshark	Yes	Yes	Yes	Yes	Yes	Yes
Packet Replay	Yes	Yes	Yes	Yes	Yes	Yes
cVu® NG and AG Integration	Yes	Yes	Yes	Yes	Yes	Yes
cClear® Integration	Yes	Yes	Yes	Yes	Yes	Yes

** With cPacket cVu® integration

Interface and Storage Options

	cStor 10S	cStor 20S	cStor 30S	cStor 40S	cStor 100S	cStor 200S
10 GbE Ports (SFP+)	2	4	8	8*	8*	-
40 GbE Ports (QSFP+)	N/A	N/A	N/A	2	(2)	-
100 GbE Ports (QSFP28)	N/A	N/A	N/A	(2)	2	2
Sustained Capture Rate	10 Gbps	20 Gbps	30 Gbps	40 Gbps	100 Gbps ^	200 Gbps
Default Storage	48/96 TB	192 TB	192 TB	288 TB	288 TB	115 TB
SED Storage Option**	44 TB	192 TB	192 TB	288 TB	288 TB	115/230 TB
Extensible Storage (CES)	N/A	1696 TB	N/A	1696 TB	1696 TB	-
Max Total Storage	N/A	2PB	N/A	2 PB	2 PB	N/A

* Using QSFP+ breakout box/cables ** Self-Encrypting Drive (SED) option available () Using QSFP+ supported transceivers ^ Using CES

Dimensions and Weight

Capture Unit	cStor 10S	cStor 20S	cStor 30S	cStor 40S	cStor 100S	cStor 200S
Height/Rack Unit	3.5" (8.9 cm) 2U	3.5" (8.9 cm) 2U	7" (17.8 cm) 4U	7" (17.8 cm) 4U	7" (17.8 cm) 4U	7" (17.8 cm) 4U
Width	17.2" (43.7 cm)	17.2" (43.7 cm)	17.2" (43.7 cm)	17.2" (43.7 cm)	17.2" (43.7 cm)	17.2" (43.7 cm)
Depth	23.6" (59.9 cm)	27.75" (70.5cm)	28" (71.1 cm)	28" (71.1 cm)	28" (71.1 cm)	28" (71.1 cm)
Weight	52 lbs. (23.6 kg)	62 lbs. (28.12 kg)	132 lbs. (60 kg)	132 lbs. (60 kg)	132 lbs. (60 kg)	83 lbs. (38 kg)

Extensible Storage	CES 512TB	CES 1024TB	CES 1320TB	CES 1696TB
Height/Rack Unit	7" (17.8 cm) 4U	7" (17.8 cm) 4U	7" (17.8 cm) 4U	7" (17.8 cm) 4U
Width	17.4" (44.1 cm)	17.4" (44.1 cm)	17.6" (44.7 cm)	17.4" (44.1 cm)
Depth	44.8" (113.9 cm)	44.8" (113.9 cm)	28.03" (71.2 cm)	44.8" (113.9 cm)
Weight	171lbs	219lbs	177lbs	310lbs

Operating Conditions

Capture Unit	cStor 10S	cStor 20S	cStor 30S	cStor 40S	cStor 100S	cStor 200S
Operating Temperature	41° F – 95° F	41° F – 95° F	50° F - 95° F	50° F - 95° F	50° F - 95° F	50° F - 95° F
Operating Humidity	50% – 90%	8%- 90%	8%- 90%	8%- 90%	8%- 90%	8%- 90%

Extensible Storage	CES 512TB	CES 1024TB	CES 1320TB	CES 1696TB
Operating Temperature	50° F - 95° F	50° F - 95° F	50° F - 95° F	50° F - 95° F
Operating Humidity	8%- 90%	8%- 90%	8%- 90%	8%- 90%

Power and Cooling

Master Unit	cStor 10S	cStor 20S	cStor 30S	cStor 40S	cStor 100S	cStor 200S
Airflow	Front-to-Back	Front-to-Back	Front-to-Back	Front-to-Back	Front-to-Back	Front-to-Back
Power Redundancy	1+1 AC 100-240 VAC 50-60 Hz	1+1 AC 100-240 VAC 50-60 Hz	1+1 AC 100-240 VAC 50-60 Hz	1+1 AC 100-240 VAC 50-60 Hz	1+1 AC 100-240 VAC 50-60 Hz	1+1 AC 100-240 VAC 50-60 Hz
Max. Power Consumption	650 W	1170 W	1373 W	1373 W	1373 W	1373 W
Heat Dissipation	2216.5 BTU/hour	2195.3 BTU/hour	4597.4 BTU/hour	4597.4 BTU/hour	4597.4 BTU/hour	4597.4 BTU/hour

Extensible Storage	CES 512TB	CES 1024TB	CES 1320TB	CES 1696TB
Airflow	Front-to-Back	Front-to-Back	Front-to-Back	Front-to-Back
Power Redundancy	1+1 AC 100-240 VAC 50-60 Hz	1+1 AC 100-240 VAC 50-60 Hz	1+1 AC 100-240 VAC 50-60 Hz	1+1 AC 100-240 VAC 50-60 Hz
Max. Power Consumption	1183.2 W	1373 W	1500 W	1373 W
Heat Dissipation	2860 BTU/hour	4597.4 BTU/hour	4500 BTU/hour	4597.4 BTU/hour

Find out more

Learn more about how cPacket's **Packet Capture (cStor)** series of packet capture-to-disk appliances can help you improve performance and security on your network. Visit cpacket.com/packet-capture