






























Product Quick Reference Guide

cpacket.com	Observability Layer			Observability Nodes											
 cpacket NETWORKS POWERING HYBRID-CLOUD OBSERVABILITY	cClear® Series Analytics & Management		cProbe™ Flow Gen	cStor® Series Packet Capture and Analysis						cPacket Extensible Storage for cStor® Series					
	Virtual / Cloud		Physical		Virtual / Cloud		Physical								
	10G		10G	40G	10G		10G	20G	30G	40G	60/100G				
															
Key Capabilities & Features		cClear-V (cCloud™ Visibility Suite)		cClear	cProbe	cStor-V (cCloud™ Visibility Suite)		cStor 10S^	cStor 20S	cStor 30S	cStor 40S	cStor 100S	CES 512	CES 1024	CES 1696
	AWS, Azure, GCP	ESXi, KVM, Hyper-V, NFVIS	2RU	2RU	AWS, Azure, GCP	ESXi, KVM, Hyper-V, NFVIS	2RU	2RU	4RU	4RU	4RU	4RU	4RU	4RU	4RU
Cloud Support / Data Center Rack Space	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Application Identification (Types)	N/A	N/A	N/A	305	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
IPFIX/NetFlow v9 Flows (FPM)	N/A	N/A	N/A	1M	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Capture-to-Disk Rate (Max Burst)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	100Gbps	40Gbps	40Gbps	40Gbps	40Gbps
Capture-to-Disk Rate (Max Sustained)	N/A	N/A	N/A	N/A	10Gbps	10Gbps	10Gbps	20Gbps	30Gbps	40Gbps	60Gbps	40Gbps	40Gbps	40Gbps	40Gbps
Default Storage	N/A	N/A	N/A	N/A	40GB+1TB*	40GB+1TB*	44/88TB	192TB	192TB	288B	288/576TB	512TB	1PB	1.6PB	
Max Storage (default + CES)	N/A	N/A	N/A	N/A	N/A	N/A	88TB	1.88PB	192TB	1.98PB	1.98PB	N/A	N/A	N/A	
Self-Encrypting Drives (SED) Option	N/A	N/A	N/A	N/A	N/A	N/A	✓	✓	✓	✓	✓	X	X	X	
Virtual Ports (Max)	1	1	N/A	N/A	1	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
100GbE Ports (Max)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	2	N/A	N/A	N/A	
40GbE Ports (Max)	N/A	N/A	N/A	1	N/A	N/A	N/A	N/A	N/A	2	2	N/A	N/A	N/A	
25GbE Ports (Max)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	2	8***	N/A	N/A	N/A	
10GbE Ports (Max)	N/A	N/A	N/A	4***	N/A	N/A	1	4	8	8***	N/A	N/A	N/A	N/A	
Precision Time (PPS)	N/A	N/A	N/A	✓**	✓**	✓**	✓**	✓**	✓**	✓**	✓**	N/A	N/A	N/A	
Packet Data Indexing	N/A	N/A	N/A	✓	✓	✓	✓	✓	✓	✓	✓	N/A	N/A	N/A	
Fast/Expedited Querying	N/A	N/A	N/A	✓	✓	✓	✓	✓	✓	✓	✓	N/A	N/A	N/A	
TCP Analytics	✓	✓	✓	N/A	✓	✓	✓	✓	✓	✓	✓	N/A	N/A	N/A	
Flow Analytics	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	N/A	N/A	N/A	
Market Data Feed Analytics (cMDF)	N/A	N/A	N/A	✓	✓	✓	✓	✓	✓	✓	✓	N/A	N/A	N/A	
Latency/Jitter Analysis	N/A	N/A	N/A	✓	✓	✓	✓	✓	✓	✓	✓	N/A	N/A	N/A	
Real-Time Analysis	N/A	N/A	N/A	✓	✓	✓	✓	✓	✓	✓	✓	N/A	N/A	N/A	
Multicast Video Analysis	N/A	N/A	N/A	✓	✓	✓	✓	✓	✓	✓	✓	N/A	N/A	N/A	
Multiple Capture Merge	N/A	N/A	N/A	✓	✓	✓	✓	✓	✓	✓	✓	N/A	N/A	N/A	
cVu Integration	N/A	N/A	N/A	✓	✓	✓	✓	✓	✓	✓	✓	N/A	N/A	N/A	
cClear Integration	N/A	N/A	N/A	✓	✓	✓	✓	✓	✓	✓	✓	N/A	N/A	N/A	
Single-Pane-of-Glass Dashboards	✓	✓	✓	N/A	N/A	N/A	✓	✓	✓	✓	✓	N/A	N/A	N/A	
Fully Integrated Workflows	✓	✓	✓	N/A	N/A	N/A	✓	✓	✓	✓	✓	N/A	N/A	N/A	
Millisecond Analytics	✓	✓	✓	N/A	N/A	N/A	✓	✓	✓	✓	✓	N/A	N/A	N/A	
Global Search	✓	✓	✓	N/A	N/A	N/A	✓	✓	✓	✓	✓	N/A	N/A	N/A	
Data Correlation and Baseline	✓	✓	✓	N/A	N/A	N/A	✓	✓	✓	✓	✓	N/A	N/A	N/A	
Open API	✓	✓	✓	N/A	N/A	N/A	✓	✓	✓	✓	✓	N/A	N/A	N/A	
FIPS Compliance	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
TAA Compliance	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Airflow Direction	N/A	N/A	F > B	F > B	N/A	N/A	F > B	F > B	F > B	F > B	F > B	F > B	F > B	F > B	
Power Options	N/A	N/A	1+1 AC	1+1 AC	N/A	N/A	1+1 AC	1+1 AC	1+1 AC	1+1 AC	1+1 AC	1+1 AC	1+1 AC	1+1 AC	

* Recommended Min ** If integrated with cVu to receive PPS *** Using QSFP+ breakout box/cables/optics ^Future

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 POWERING HYBRID-CLOUD OBSERVABILITY	cVu® Series Packet Brokering & Monitoring													cTap® Series Test Access Point			
	Virtual / Cloud		Physical										Physical		Physical		
	10G		10G (+40/100G)					40G		100G					100G		
																	
Key Capabilities & Features		cVu-V (cCloud™ Visibility Suite)		cVu 160NG	cVu 240NG	cVu 400NGE	cVu 400NGE-CX	cVu 560NGE	cVu 2440NG	cVu 3240NG	cVu 4100NG	cVu 8100NG	cVu 16100NG	cVu 32100AG	cVu 32100EAG	SM/MM/BIDI	
Cloud Support / Data Center Rack Space	AWS, Azure, GCP	ESXi, KVM, Hyper-V, NFVIS	1RU	1RU	1RU	1RU	1RU	1RU	2RU	2RU	2RU	2RU	2RU	1RU	1RU	1/2 & 1RU	1RU
Monitoring Throughput Rate (Max)	10Gbps	10Gbps	160Gbps	240Gbps	560Gbps	760Gbps	720Gbps	960Gbps	1.28Tbps	1.28Tbps	400Gbps	800Gbps	1.6Tbps	3.2Tbps	3.2Tbps	N/A	N/A
Virtual Ports (Max)	10	10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
100GbE Ports (Max)	N/A	N/A	N/A	N/A	N/A	2	N/A	N/A	N/A	N/A	4	8	16	32	32	8/12/16	< 24
40GbE Ports (Max)	N/A	N/A	N/A	N/A	4	4	8	24	32	4	8	16	32	32	32	8/16	< 24
25GbE Ports (Max)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	128***	128***	128***	8/16	< 24
10GbE Ports (Max)	N/A	N/A	16	24	24+16+16***	24+16+16***	24+16+32***	96***	128***	16***	32***	64***	128***	128***	128***	10/90, 20/80	to 50/50
Micro-Burst Analysis (cBurst)	X	X	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	N/A	N/A
Traffic Aggregation/Replication	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	8/16	< 24
Packet Slicing/Truncation	X	X	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	X	X	N/A	N/A
VXLAN/MPLS/VNTag Stripping	X	X	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	N/A	N/A
VLAN Tag Inner VLAN Filtering	X	X	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	X	X	N/A	N/A
Filtering	X	X	✓ (smart)	✓ (smart)	✓ (smart)	✓ (smart)	✓ (smart)	✓ (smart)	✓ (smart)	✓ (smart)	✓ (smart)	✓ (smart)	✓ (smart)	✓ (smart)	✓ (smart)	N/A	N/A
Packet Deduplication/Replication	X	X	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	X	X	N/A	N/A
Packet Size Byte Counter Insertion	X	X	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	X	X	N/A	N/A
MAC-in-MAC DC Decapsulation	X	X	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	X	X	N/A	N/A
Timestamping with External PPS	N/A	N/A	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	X	✓	N/A	N/A
Timestamping with PTP/NTP	N/A	N/A	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	X	✓	N/A	N/A
PTP/NTP Time Sync Management	N/A	N/A	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	N/A	N/A
Role-Based Administration	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	N/A	N/A
Software Upgrade/Restore	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	N/A	N/A
GUI, Serial Console, and CLI	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	N/A	N/A
SNMPv2c/v3 and MIB	X	X	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	N/A	N/A
Optical Transceiver Diagnostics	N/A	N/A	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	N/A	N/A
TACACS+/RADIUS Authentication	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	N/A	N/A
cClear Management/Dashboards	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	N/A	N/A
FIPS Compliance	X	X	X	X	X	X	X	X	X	X	X	X	140 Lvl-2 ~	X	X	X	X
TAA Compliance	N/A	N/A	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	X	X
Airflow Direction	N/A	N/A	F > B	F > B	F > B	F > B	F > B	F > B	F > B	F > B	F > B	F > B	F > B	F > B	F > B	N/A	N/A
Power Options	N/A	N/A	N+2 AC	N+2 AC	1+1 AC	1+1 AC	1+1 AC	N+2 AC	N+2 AC	N+2 AC	N+2 AC	N+2 AC	N+2 AC	N+1 AC	N+1 AC	N/A	N/A

- Certification in process *** Using QSFP+/QSFP28 breakout box/cables