



# Product Quick Reference Guide

## PACKET BROKER

| KEY CAPABILITIES & FEATURES ▼        | cVu-V®<br>(Virtual/Cloud) | cVu® AG<br>(Physical/On-Prem) |               | cVu® NG/NGE<br>(Physical/On-Prem) |            |            |               |            |            |            |            |            |             |
|--------------------------------------|---------------------------|-------------------------------|---------------|-----------------------------------|------------|------------|---------------|------------|------------|------------|------------|------------|-------------|
|                                      | >100G                     | 100G                          | 400G          | 10G & 40G                         |            |            |               |            | 40G        |            | 100G       |            |             |
|                                      | cCloud Suite              | cVu 32100AG                   | cVu 32400AG   | cVu 160NGE                        | cVu 240NGE | cVu 400NGE | cVu 400NGE-CX | cVu 560NGE | cVu 2440NG | cVu 3240NG | cVu 4100NG | cVu 8100NG | cVu 16100NG |
| Cloud Support/Data Center Rack Space | AWS, Azure, GCP, ESXi     | 1RU                           | 1RU           | 1RU                               | 1RU        | 1RU        | 1RU           | 1RU        | 2RU        | 2RU        | 2RU        | 2RU        | 2RU         |
| Virtual Ports (Max)                  | 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         |
| 400GbE Ports (Max)                   | N/A                       | N/A                           | 32            | 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                       | 32                            | 128*          | N/A                               | N/A        | N/A        | 2             | N/A        | N/A        | N/A        | 4          | 8          | 16          |
| 40GbE Ports (Max)                    | N/A                       | 32                            | 128*          | N/A                               | N/A        | 4          | 4             | 8          | 24         | 32         | 4          | 8          | 16          |
| 25GbE Ports (Max)                    | N/A                       | 128*                          | 128*          | N/A                               | N/A        | N/A        | N/A           | N/A        | N/A        | N/A        | N/A        | N/A        | N/A         |
| 10GbE Ports (Max)                    | N/A                       | 128*                          | 128*          | 16 + 16                           | 24 + 16    | 24+16*+16  | 24+16*+16     | 24+32*+16  | 96*        | 128*       | 16*        | 32*        | 64*         |
| 1GbE Ports (Max)                     | N/A                       | 128*                          | 128*          | 16                                | 24         | 24         | 24            | 24         | N/A        | N/A        | N/A        | N/A        | N/A         |
| Traffic Aggregation/Replication      | ●                         | ●                             | ●             | ●                                 | ●          | ●          | ●             | ●          | ●          | ●          | ●          | ●          | ●           |
| Packet Slicing                       | ●                         | ●                             | ●             | ●                                 | ●          | ●          | ●             | ●          | ●          | ●          | ●          | ●          | ●           |
| Dynamic Packet Truncation            | N/A                       | ○                             | ○             | ●                                 | ●          | ●          | ●             | ●          | ●          | ●          | ●          | ●          | ●           |
| VXLAN / ERSPAN / MPLS Stripping      | ●                         | ●                             | ●             | ●                                 | ●          | ●          | ●             | ●          | ●          | ●          | ●          | ●          | ●           |
| VLAN Tag Inner VLAN Filtering        | ○                         | ○                             | ○             | ●                                 | ●          | ●          | ●             | ●          | ●          | ●          | ●          | ●          | ●           |
| TrustSec Stripping                   | ○                         | ○                             | ○             | ●                                 | ●          | ●          | ●             | ●          | ●          | ●          | ○          | ○          | ○           |
| Filtering                            | ●                         | ●                             | ●             | ● (smart)                         | ● (smart)  | ● (smart)  | ● (smart)     | ● (smart)  | ● (smart)  | ● (smart)  | ● (smart)  | ● (smart)  | ● (smart)   |
| Micro-Burst Analysis (cBurst)        | ○                         | ●                             | ●             | ●                                 | ●          | ●          | ●             | ●          | ●          | ●          | ●          | ●          | ●           |
| Deduplication                        | ●**                       | ○                             | ○             | ●                                 | ●          | ●          | ●             | ●          | ●          | ●          | ●          | ●          | ●           |
| Packet Size Byte Counter Insertion   | ○                         | ●                             | ●             | ●                                 | ●          | ●          | ●             | ●          | ●          | ●          | ●          | ●          | ●           |
| MAC-in-MAC DC Decapsulation          | N/A                       | ●                             | ●             | ●                                 | ●          | ●          | ●             | ●          | ●          | ●          | ●          | ●          | ●           |
| Timestamping with External PPS       | N/A                       | ●                             | ●             | ●                                 | ●          | ●          | ●             | ●          | ●          | ●          | ●          | ●          | ●           |
| Timestamping with PTP/NTP            | N/A                       | ●                             | ●             | ●                                 | ●          | ●          | ●             | ●          | ●          | ●          | ●          | ●          | ●           |
| PTP/NTP Time Sync Management         | N/A                       | ●                             | ●             | ●                                 | ●          | ●          | ●             | ●          | ●          | ●          | ●          | ●          | ●           |
| MACsec Decryption                    | N/A                       | ○                             | ○             | ●                                 | ●          | ●          | ●             | ●          | ●          | ●          | ●          | ●          | ●           |
| Market Data Feed Analytics (cMDF)    | N/A                       | ○                             | ○             | ○                                 | ○          | ○          | ○             | ○          | ○          | ○          | ●          | ●          | ●           |
| Role-Based Administration            | ●                         | ●                             | ●             | ●                                 | ●          | ●          | ●             | ●          | ●          | ●          | ●          | ●          | ●           |
| Software Upgrade/Restore             | ●                         | ●                             | ●             | ●                                 | ●          | ●          | ●             | ●          | ●          | ●          | ●          | ●          | ●           |
| GUI/CLI and Serial Console           | ●                         | ●                             | ●             | ●                                 | ●          | ●          | ●             | ●          | ●          | ●          | ●          | ●          | ●           |
| SNMPv2c/v3 and MIB                   | N/A                       | ●                             | ●             | ●                                 | ●          | ●          | ●             | ●          | ●          | ●          | ●          | ●          | ●           |
| Optical Transceiver Diagnostics      | N/A                       | ●                             | ●             | ●                                 | ●          | ●          | ●             | ●          | ●          | ●          | ●          | ●          | ●           |
| TACACS+/RADIUS Authentication        | ●                         | ●                             | ●             | ●                                 | ●          | ●          | ●             | ●          | ●          | ●          | ●          | ●          | ●           |
| cClear Management/Dashboards         | ●                         | ●                             | ●             | ●                                 | ●          | ●          | ●             | ●          | ●          | ●          | ●          | ●          | ●           |
| FIPS Certification                   | ○                         | ○                             | ○             | ○                                 | ○          | ○          | ○             | ○          | ○          | ○          | ○          | ○          | ●           |
| TAA Compliance                       | ●                         | ●                             | ●             | ●                                 | ●          | ●          | ●             | ●          | ●          | ●          | ●          | ●          | ●           |
| Airflow Direction                    | N/A                       | F > B / B > F                 | F > B / B > F | F > B                             | F > B      | F > B      | F > B         | F > B      | F > B      | F > B      | F > B      | F > B      | F > B       |
| Power Options                        | N/A                       | N+1 AC/DC                     | N+1 AC/DC     | N+2 AC/DC                         | N+2 AC/DC  | N+2 AC/DC  | N+2 AC/DC     | N+2 AC/DC  | N+2 AC/DC  | N+2 AC/DC  | N+2 AC/DC  | N+2 AC/DC  | N+2 AC/DC   |

\* Using QSFP+/QSFP28 breakout

\*\* Coming soon

● Yes ○ No



| KEY CAPABILITIES & FEATURES ▼        | cStor-V®<br>(Virtual/Cloud) | cStor®<br>(Physical/On-Prem) |  |           |  |           |  |           |  |            |  |             |  |
|--------------------------------------|-----------------------------|------------------------------|--|-----------|--|-----------|--|-----------|--|------------|--|-------------|--|
|                                      | >100G                       | 10G                          |  | 20G       |  | 30G       |  | 40G       |  | 100G       |  | 200G        |  |
|                                      | cCloud™ Visibility Suite    | cStor 10S                    |  | cStor 20S |  | cStor 30S |  | cStor 40S |  | cStor 100S |  | cStor 200S  |  |
| Cloud Support/Data Center Rack Space | AWS, Azure, GCP, ESXi       | 2RU                          |  | 2RU       |  | 4RU       |  | 4RU       |  | 4RU        |  | 4RU         |  |
| Application Identification (Types)   | 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       |  | N/A       |  | N/A       |  | N/A        |  | N/A         |  |
| Capture-to-Disk Rate (Max Burst)     | N/A                         | 10Gbps                       |  | 20Gbps    |  | 30Gbps    |  | 40Gbps    |  | 100Gbps    |  | 200Gbps     |  |
| Capture-to-Disk Rate (Max Sustained) | 10Gbps per instance         | 10Gbps                       |  | 20Gbps    |  | 30Gbps    |  | 40Gbps    |  | 60Gbps     |  | 200Gbps     |  |
| Default Storage                      | 32GB+1TB                    | 48/96TB                      |  | 192TB     |  | 192TB     |  | 288TB     |  | 288/576TB  |  | 115 / 230TB |  |
| Max Storage (default + CES)          | N/A                         | 96TB                         |  | 1.88PB    |  | 192TB     |  | 2.2Pb     |  | 2.2Pb      |  | 230TB       |  |
| Self-Encrypting Drives (SED) Option  | N/A                         | ●                            |  | ●         |  | ●         |  | ●         |  | ●          |  | ●           |  |
| Virtual Ports (Max)                  | 2                           | 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          |  | 2           |  |
| 40GbE Ports (Max)                    | N/A                         | N/A                          |  | N/A       |  | N/A       |  | 2         |  | 2          |  | ●**         |  |
| 25GbE Ports (Max)                    | N/A                         | N/A                          |  | N/A       |  | N/A       |  | 2         |  | 8*         |  | ●**         |  |
| 10GbE Ports (Max)                    | N/A                         | 2                            |  | 4         |  | 8         |  | 8*        |  | 8*         |  | ●**         |  |
| Precision Time (PPS)                 | N/A                         | ○                            |  | ●         |  | ●         |  | ●         |  | ●          |  | ●**         |  |
| Packet Data Indexing                 | ●                           | ●                            |  | ●         |  | ●         |  | ●         |  | ●          |  | ●           |  |
| Fast/Expedited Querying              | ●                           | ●                            |  | ●         |  | ●         |  | ●         |  | ●          |  | ●           |  |
| TCP Analytics                        | ●                           | ●                            |  | ●         |  | ●         |  | ●         |  | ●          |  | ●           |  |
| Flow Analytics                       | ●                           | ●                            |  | ●         |  | ●         |  | ●         |  | ●          |  | ●           |  |
| Market Data Feed Analytics (cMDF)    | ●                           | ●                            |  | ●         |  | ●         |  | ●         |  | ●          |  | ●           |  |
| Latency/Jitter Analysis              | ●                           | ●                            |  | ●         |  | ●         |  | ●         |  | ●          |  | ●           |  |
| Real-Time Analysis                   | ●                           | ●                            |  | ●         |  | ●         |  | ●         |  | ●          |  | ●           |  |
| Multicast Video Analysis             | ●                           | ●                            |  | ●         |  | ●         |  | ●         |  | ●          |  | ●           |  |
| Multiple Capture Merge               | ●                           | ●                            |  | ●         |  | ●         |  | ●         |  | ●          |  | ●           |  |
| cVu Integration                      | ●                           | ●                            |  | ●         |  | ●         |  | ●         |  | ●          |  | ●           |  |
| cClear Integration                   | ●                           | ●                            |  | ●         |  | ●         |  | ●         |  | ●          |  | ●           |  |
| Single-Pane-of-Glass Dashboards      | ●                           | ●                            |  | ●         |  | ●         |  | ●         |  | ●          |  | ●           |  |
| Fully Integrated Workflows           | ●                           | ●                            |  | ●         |  | ●         |  | ●         |  | ●          |  | ●           |  |
| Millisecond Analytics                | N/A                         | ●                            |  | ●         |  | ●         |  | ●         |  | ●          |  | ●           |  |
| Global Search                        | ●                           | ●                            |  | ●         |  | ●         |  | ●         |  | ●          |  | ●           |  |
| Data Correlation and Baselining      | ●                           | ●                            |  | ●         |  | ●         |  | ●         |  | ●          |  | ●           |  |
| Open API                             | ●                           | ●                            |  | ●         |  | ●         |  | ●         |  | ●          |  | ●           |  |
| FIPS Compliance                      | ○                           | ●                            |  | ●         |  | ●         |  | ●         |  | ●          |  | ●           |  |
| TAA Compliance                       | ●                           | ●                            |  | ●         |  | ●         |  | ●         |  | ●          |  | ●           |  |
| Airflow Direction                    | N/A                         | F > B                        |  | F > B     |  | F > B     |  | F > B     |  | F > B      |  | F > B       |  |
| Power Options                        | N/A                         | 1+1 AC                       |  | 1+1 AC    |  | 1+1 AC    |  | 1+1 AC    |  | 1+1 AC     |  | 1+1 AC      |  |

☒ Yes ☐ No



# Product Quick Reference Guide

## CONTROL CENTER

| KEY CAPABILITIES & FEATURES ▼        | cClear® Series<br>Management & Visualization |                                |
|--------------------------------------|----------------------------------------------|--------------------------------|
|                                      | cClear-V®<br>(Virtual/Cloud)                 | cClear-E<br>(Physical/On-Prem) |
| Cloud Support/Data Center Rack Space | AWS, Azure, GCP, ESXi                        | 2RU                            |
| Application Identification (Types)   | N/A                                          | N/A                            |
| IPFIX/NetFlow v9 Flows (FPM)         | N/A                                          | N/A                            |
| IPFIX/NetFlow Collector (FPM)        | N/A                                          | N/A                            |
| Self-Encrypting Drives (SED) Option  | N/A                                          | ●                              |
| Virtual Ports (Max)                  | 1                                            | N/A                            |
| 40GbE Ports (Max)                    | N/A                                          | N/A                            |
| 25GbE Ports (Max)                    | N/A                                          | N/A                            |
| 10GbE Ports (Max)                    | N/A                                          | 2                              |
| Precision Time (PPS)                 | N/A                                          | N/A                            |
| TCP Analytics                        | ●                                            | ●                              |
| Flow Analytics                       | ●                                            | ●                              |
| Market Data Feed Analytics (cMDF)    | ●                                            | ●                              |
| Video Integration                    | ●                                            | ●                              |
| cVu Integration                      | ●                                            | ●                              |
| Flexible Dashboards                  | ●                                            | ●                              |
| Fully Integrated Workflows           | ●                                            | ●                              |
| Millisecond Analytics                | ●                                            | ●                              |
| Global Search                        | ●                                            | ●                              |
| Open API                             | ●                                            | ●                              |
| FIPS Compliance                      | ●                                            | ●                              |
| TAA Compliance                       | ●                                            | ●                              |
| Airflow Direction                    | N/A                                          | F > B                          |
| Power Options                        | N/A                                          | 1 + 1 AC                       |

## ADD-ONS & ACCESSORIES

| cProbe™<br>NetFlow Generator and Collector |        |
|--------------------------------------------|--------|
| 10G or 40G                                 |        |
|                                            | 2RU    |
|                                            | 305    |
|                                            | 1M     |
|                                            | 1M     |
|                                            | N/A    |
|                                            | N/A    |
|                                            | 1      |
|                                            | N/A    |
|                                            | 4      |
|                                            | ●**    |
|                                            | N/A    |
|                                            | ●      |
|                                            | N/A    |
|                                            | N/A    |
|                                            | N/A    |
|                                            | N/A    |
|                                            | N/A    |
|                                            | N/A    |
|                                            | N/A    |
|                                            | ○      |
|                                            | ●      |
|                                            | F > B  |
|                                            | 1+1 AC |