



cVu 1000 Specifications

INTERFACES QSFP28/QSFP+
32x100G, 32x40G, 128x10G (with breakout)

DIMENSIONS (H x W x D) 1.7" x 17.5" x 22.0"
(4.3 cm x 49.0 cm x 59.3 cm)
1U rack mounted

WEIGHT 23 lbs. (10 kg)

POWER 100-240 V AC, 50-60 Hz
220 W, DC, Power Option Available,
Redundant hot-swappable supply

OPERATING REQUIREMENTS 0 to 40° C
32 to 104° F

The network packet brokering solutions from cPacket provide network visibility you can trust, delivering reliable real-time data to the right security and network monitoring tools.

As a member of the cVu family, the cVu 1000 is a cost effective high density packet brokering aggregator. It filters, distributes and reports on network traffic at the edge of high speed networks to increase a company's security posture and reduces business interruptions caused by network issues.

As companies enter the digital business era, demands for high speed 10G, 40G and 100G at edge of the network are increasing to support big data, new media and e-commerce. However, the ability to provide accurate real-time visibility to monitor multiple links at full line-rate is a challenge that legacy monitoring architectures struggle to handle. Visibility is also key for security, but many aggregators and packet brokers supplying security and monitoring tools with network data are losing critical packets because of design flaws.

The cVu 1000 aggregates multiple 10G to 100G network links and optimizes the traffic passed to the monitoring network through filters, load balancing and rate conversion. This delivers the right data to the right tools on the monitoring network for security, network and application troubleshooting, and packet capture applications.

As a member of cPacket's network monitoring solution stack, the cVu 1000 works with cPacket's other products (cVu, cStor and cClear) to provide the highest level of network visibility and analysis available for end-to-end visibility, capacity planning and security analytics.

The cVu 1000 packet brokering aggregator is an architectural building block for monitoring networks in large high speed data centers feeding advanced cPacket solutions such as the cVu 16100. A flexible port rate assignment capability allows the cVu 1000 to be configured for topologies that include 32x100G, 32x40G and 128x10G, to enable scaling as network links are upgraded. Industry standard transceivers means there is no vendor lock-in allowing for cost effective operations.

Key Features

Benefits

Integrates with cPacket cClear and cStor

Seamless management and integration with cPacket's cVu, cStor and cClear devices for a robust combination of dynamic visualization, complete packet inspection across L2-L7, network analytics and line rate packet capture storage

Supports 10G/25G/40G/100G

Industry standard QSFP28/QSFP+ transceivers for cost effective rate translation, traffic redirection/aggregation, and load balancing applications

High Density Form Factor

Sized for large and medium size datacenters. Supports 32x100G, 32x40G, 128x25G and 128x10G (with Breakout) for scaling and expansion

Open Monitoring Architecture

The cVu 1000 is compatible with other monitoring solutions via API for efficient forwarding of network traffic

Filtering and Packet slicing to reduce traffic based on ACLs

Apply policies to all traffic or a subset of traffic based on ACLs to selectively reduce and redirect network traffic to optimize tool usage and reduce oversubscription, lowering the cost and complexity

Header stripping: VLAN, MPLS, VxLAN with inner IP filtering

Required for modern datacenter virtualized environments, remove VLAN (including Q-inQ), MPLS and VxLAN headers at the edge to reduce load on tools. Filter on the inner IP address of VxLAN packets to troubleshoot issues while retaining the external header for analysis

Header tagging: VLAN and MPLS

Add VLAN tags or MPLS labels to help downstream tools identify traffic sources and enable traffic path determination for faster issue resolution

Flexible load balancing + GTP inner IP load balancing

Flexible load balancing options from 2-tuple to 5-tuple for preservation of specific application flows to scale tools and add resilience. Hash on the inner IP address of GTP tunnels for efficient load balancing of network traffic based on subscriber - not tunnel - IP addresses. Essential for service provider networks

Unlocked optics, all features included

cPacket does not lock customers into proprietary optics or complicated licensing models- all supported features are included. Use the third party optical modules of your choice and rest assured that all features are included, reducing cost and simplifying operations

ABOUT cPACKET NETWORKS

cPacket networks delivers visibility you can trust through innovative network monitoring and packet brokering solutions to solve today's biggest network challenges. Our cutting-edge technology enables network and security teams to proactively identify issues in real-time before negatively impacting end-users. Only cPacket inspects all the packets delivering the right data to the right tools at the right time and provides detailed network analytics dashboards. Whether you need greater network visibility and reliability for security tools or performance monitoring tools, our solutions are designed to overcome scalability issues and reduce troubleshooting time. The result: dramatic expansion of your visibility footprint, increased security, reduced complexity, with lower costs and a faster ROI.

Based in Silicon Valley, CA, cPacket enables organizations around the world to keep their business running. Leading enterprises, service providers, healthcare organizations and governments rely on cPacket solutions for improved agility, higher performance and greater efficiency.