QP4000 Series

Advanced Network Capturing

- Nanosecond and microsecond resolution time stamping.

- Compression increases storage capacity per appliance up to 36x.

- Independent capture and replay per port and up to 8 independent filters per physical port.

- Line rate filtering by transport protocol, application layer, port number and a combination IPv4/v6 addresses.

- High speed packet search by protocol, port, REGEX, VLAN, MSISDN and a combination of IPv4/v6 addresses.

- Works alongside existing security solutions (IDS/IPS) to detect network attacks by filtering and finding specific traffic patterns such as DDoS and other dangerous traffic.

- Can support systems running third party applications to analyze data such as Wireshark®, Cascade®, Splunk© and Snort®.

- Rotation mode allows 24/7 capturing as the QP overwrites the oldest set of captured data while storing the new set of traffic.

- Every QP series appliance runs on a hardened Linux® OS that is custom-built for secured operation. Access to stored data is controlled and password protected.

The Quantea QP is an intelligent and passive device that non-intrusively monitors key areas in an IP-based network. To gain upmost visibility of the network, the QP series examines and records the network's fundamental sources of information throughout the entire packet. Each QP series model is used as a standalone device and with a large storage capacity, the QP can provide a rich source of packet-level intelligence to help solve complex service-affecting problems in a network-wide, multi-domain and multi-tier basis.

| Zero Packet Loss Capturing | High Speed Packet Search | Traffic Replay | RESTful API and External Mounting |

Effectively capture full-sized network packets at a multi-Gigabit rate from a live network interface and write them into files without any packet loss. The QP provides easy, efficient and centralized access to traffic and metadata from across the entire network. Access the data directly from the QP without using additional software by using standard networked storage protocols such as NFS/CIFS and FTP. This provides IT teams comprehensive data at their fingertips which allows them to collect, manage, distribute and automate analysis process through direct access to storage through QManager or third party tools. IT teams can also integrate the QP in existing traffic monitoring dashboards through its RESTful API.

Supported Protocols

- Each QP series appliance supports a wide variety of protocols for capturing, filtering and search. Access to stored data is controlled and is password protected.
- Supported Protocols (not limited to): DNS, DNS-NAPTR, DNS-SRV, DCHP, RADIUS, Diameter, HTTP, HTTPS, SIP, RTP, RTCP, POP3, SMTP, SIGTRAN - SCTP, M3UA, ISU, LTE/EPC, GPRS/UMTS, GTP-C, GTP-U, GTPv2, SIP, RTP, H.323

Specifications	QP4000
Rack Unit	4 Rack Unit
Dimensions (WxHxD)	17.2" (437mm) x 7" (178mm) x 25.5" (648mm)
Capture Adapter Interfaces	100Gbps Adapter: 1 Port 100Gbps (CFP4) or (QSFP28) 40Gbps Adapter: 2 Port 40Gbps (QSFP) 10Gbps Adapter: 4 or 2 Port 10Gbps (SFP+ or XFP) 1Gbps Adapter: 4 Port 1Gbps (10/100/1000BaseT)
Capture Adapter Expansion Slots	4 Adapters (Standard)
Rated Capture Performance	10Gbps Write-to-disk sustained 20Gbps Write-to-disk sustained 40Gbps Write-to-disk sustained Up to 50Gbps Write-to-disk per appliance
Storage Capacity	21-720TB in HDD or SSD Configurations
Management Port	RJ45(Standard) and/or 10GbE(Optional)
Embedded Linux Support	Two SSD Drives in RAID1 for Operating System and Software
Side Rails	Side Rails Included
Power Rating	Rated Power: 1200W AC Input Rating: 100-140V/8-11.5A/50-60Hz 180-240V/5.5-8A/50-60Hz DC Output: 1000W +12V/83A @ 100-140V 1200W +12V/100A @ 180-240V +5V Standby: 4A +12V: 59A +5V: 30A +3.3V: 20A -12V: .6A
Operating Environment	Operating Temperature Range: 5˚C - 35˚C (41˚F - 95˚F) Non-Operating Temperature Range: -40˚C - 60˚C (-40˚F - 140˚F) Operating Relative Humidity Range: 8% ~ 90% (non-condensing) Non-Operating Relative Humidity Range: 5% ~ 95% (non-condensing)
Regulatory Agency Approvals	All models meet these safety listings: USA - UL, FCC Canada - CUL Germany - TUV Europe - CE EN 60950/IEC 60950 Compliant