



## Complete Application Performance and Security Solutions

**Opteq with Singular-iQ** delivers fast, secure networking to users wherever they are, while controlling ever rising network and network management costs. Opteq Appliances optimize and secure the flow of information to any user, on any network, anywhere. Opteq systems run any combination of Network Visibility, Qos / Traffic-shaping, WAN Optimization, Web Cache, Application delivery, Security Gateway, ProxyClient and CMS solutions.

Opteq Appliances (Platforms/Base Units) scale from Branch Office/SME Office, through Enterprise Data Centre to Telco class solutions in any network topology including 10Gbps fiber. Unlike the alternatives all Opteq solutions can be combined within one appliance. Solutions vary from one appliance in the core of a network for most WAN optimization solutions, to one appliance per site and to software end-point solutions. This is all made possible through Singular-iQ, Opteq's robust high-performance networking technology that enables its appliances to offer integrated functionality with unparalleled performance. All Opteq appliances use the latest hardware platforms and Intel's 'Core' microprocessors with Smart Cache, Turbo Boost and Hyper Threading technology.



**Network Visibility** is Opteq's powerful layer 7 'deep-packet-inspection' network monitoring, reporting and network traffic analysis solution. With granular application visibility you can rapidly pinpoint business-critical content, recreational traffic such as iTunes, YouTube and IM and malware, and correct miss-configurations, congestion and bottlenecks.

**Qos/Traffic-shaping** is Opteq's scalable, carrier-grade application-control solution. Applications are prioritized, controlled and optimized from a single device in the network. ISPs can simply configure quota management (FUP) and maximize use of their carrier networks. Integration with existing subscriber management and billing systems is facilitated via comprehensive API and ODBC data access.

**WAN Optimization** is Opteq's integrated visibility, control and acceleration solution. Applications accessed by distributed enterprise users are accelerated via eliminating redundant transmissions, storing data in local caches, compressing and prioritizing data, accelerating TCP and streamlining chatty protocols. The WAN Optimization solution includes all the benefits of the Qos/Traffic Shaping solution and Network Visibility.



**Web Cache** is Opteq's robust, scalable and easy to use cache solution. Cached content is delivered immediately from local storage and, rather than upgrading, available bandwidth is fully used for other business services such as VOIP and video conferencing. The Web Cache may be configured in-line as a transparent cache and any load accommodated via clustered caches. (WCCP and AD support). Enterprises benefit from web-applications running in 'real-time' and ISPs can manage dramatic increases in network traffic and subscriber growth.

**Application Delivery** is Opteq's server acceleration/load balancing solution ("AD"). Server acceleration maximizes performance and minimizes latency of Web servers, the WAN and browsers. AD's web-server offload, high-performance content compression and content-aware traffic management technologies decrease page download times and reduce bandwidth usage. AD increases the lifespan and performance of servers by facilitating clustering to increase load handling and provide comprehensive flexible health monitoring and failover. All serve to increase user productivity.



**Secure Gateway** is Opteq's secure web and/or email Gateway solution ("SG"). SG traps all malware including viruses, worms, spyware, Trojans and spam that can otherwise harm your business. SG can be a nominated or inline Web proxy/cache/email GW. Web access is filtered and/or blocked according to policy templates and content profiles that are updated continually. Similarly eMail can be stripped of viruses, spam, etc. according to content profiles that are updated by subscription. SG may include an advanced easy-to-manage, enterprise-grade firewall. Combined with bandwidth manager this is the most advanced feature-rich layer 7 firewall with the highest throughput and lowest latency available today.

**Opteq ProxyClient** is Opteq's solution for remote SOHO and mobile users. Running on the customers computer(s) ProxyClient is a free-of-charge fully secured, optimized, compressed and encrypted SSL VPN tunnel that terminates on the HO Opteq office device.



**CMS** is Opteq's central management and reporting console, allowing management of multi-unit Opteq deployments with comprehensive control, centralized configuration management, software distribution, centralized monitoring and report consolidation from all field units.

**Singular-iQ's** forms the core of all its appliances including Opteq's fully hardened operating system optimized around the latest multi-threaded, multi-core Intel chip sets right down to device drivers. Singular-iQ provides unified management and reporting of all licensed functional modules and allows reports to be formatted, scheduled and automatically emailed in a rich variety of ways. All of the Opteq iQ application modules reside on and exploit the rich functionality provided by Singular iQ and its options including:

• Server Management System	• Online updates, upgrades etc	• Easy to use GUI & Help
• Internal Firewall and illegal access prevention	• System Monitor	• Online License management
• TLS/SSL Opteq to Opteq VPN	• SSL Client VPN	• SCPS (satellite optimisation)
• DHCP & DNS (full server)	• API for remote rule generation	• Failover Management
• Installation and Setup Wizards	• LAN Adaptor Management	• ODBC for database integration
• Archive/backup management	• Bridge/Gateway of any ports	• SNMP,NTP, Unit watchdog
• VRRP (clustered redundancy capability for multiple units)	• Network management (DNS, ports, routes & hosts testing)	• Identifies and manages traffic once, for all modules
• VLAN Termination - 802.1q Virtual Interfaces	• Access Security & Audit Trails	• Scalable 2Mbps - 10Gbps Solutions

Of course Opteq also provides the most comprehensive support available allowing mission-critical deployments to be made with confidence and is happy to provide units for proof of concept trials. Please contact Opteq at [www.opteqint.com](http://www.opteqint.com) for more information and to request a trial.