# ExtremeAnalytics

## Highlights

Business Insights
- Edge to data center
- Application usage, users, locations, and devices
- Real-time view into flows

Increase Operational Efficiency
- Proactive monitoring of application performance
- Simple diagnostic tools for IT staff to diagnose issues
- Single screen management

Keep your Network Secure
- Deep visibility into unapproved applications, unusual traffic, and shadow IT
- Security forensics
- Centralized packet capture

## Business and security insights from the edge to the data center

### ExtremeAnalytics for ExtremeCloud IQ - Site Engine

ExtremeAnalytics™ extends the value of ExtremeCloud™ IQ – Site Engine. It enables users to keep their network secure through granular visibility and analytics into their applications and network, from the edge to the data center. Integrations into Extreme Networks' Universal Platform Series, VSP series, Summit Series, ERS series, SLX platforms and ExtremeCloud IQ – Controllers provide application layer visibility and latency calculations for traffic flows regarding wired and wireless edge devices through the campus and all the way into the data center.

With ExtremeAnalytics, user behavior on the network can be better understood, level of user engagement can be identified, and business application delivery for optimized quality of experience can be ensured. Track application usage to determine the return on investment associated with application deployments. Performance issues can be pinpointed quickly once identified, and fixed before they become apparent to end-users. With accelerated troubleshooting and automatic performance alerting, users spend less time on monitoring application performance and focus IT time and resources on strategic business initiatives.

For context-based visibility into network activity, ExtremeAnalytics correlates all data collected from users, devices, and applications in a single data store. Application telemetry on Extreme Networks switches and wireless access points (APs) allows users to analyze application flows from every part of the network without requiring dedicated probes.
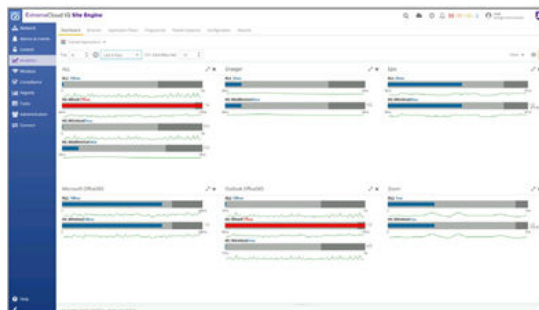
The optional deployment of the Traffic Sensor appliance allows real time analysis in third party environments. Integrations with Google Cloud Platform (GCP), Amazon Web Services (AWS), and Microsoft Azure allow users to obtain workload and application flow visibility into their cloud environment.

## Superior Quality of Experience



Areal-time dashboard provides a view of all applications in wired and wireless networks across locations. The application automatically measures and provides an alert when the quality of experience of a designated application changes beyond standard deviation. It correlates the performance of applications to core network services such as DNS, Radius, and AD, so users can quickly understand whether the application or the network is at the root of the performance issue. With the application performance dashboard, users are proactively alerted about potential quality of experience issues before their end-users complain

## Third Party Integration
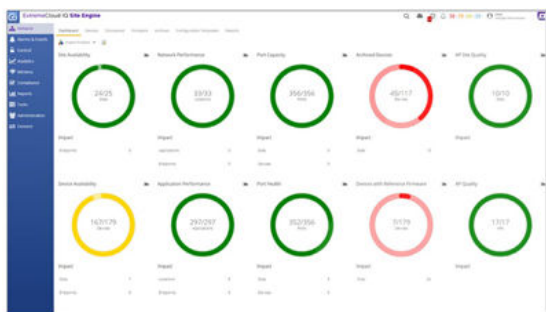


ExtremeAnalytics works closely with ExtremeControl and offers integration into select third party equipment, such as Aruba Clearpass and Wireless IPFIX. Application telemetry across a wide variety of Extreme infrastructure analytics delivers insights without the need for standalone sensors or collectors.

## Rich Contextual Data



ExtremeAnalytics combines flow-based technology with a rich set of application fingerprint techniques that can identify 2,300+ apps and includes 10,000+ behavioral detection-based fingerprints. Detect and measure on-prem apps(SAP, SOA traffic, Exchange, SQL, etc.), public cloud apps (Salesforce, Google, email, YouTube, P2P, file sharing, etc.), and social media apps (Facebook, Twitter, etc.) to optimize the quality of experience.

## Detailed Application Flows
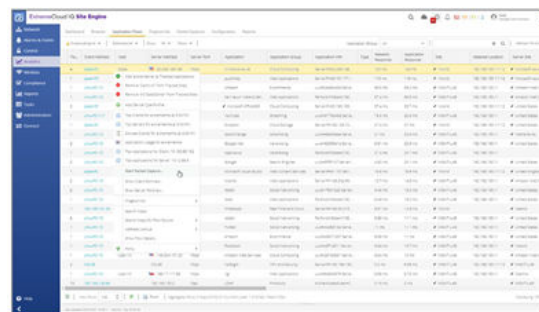


Full view of application flows between VMs and to cloud instances (AWS, GCP, Azure). Integrated packet capture enables the capturing of data packets from a centralized console for any site and provides security forensics by allowing users to analyze and record suspicious traffic. Analyze traffic across different sites to optimize network performance and resolve issues quickly

# Product Specifications

**Virtual Appliances**

The ExtremeAnalytics virtual engines must be deployed on a VMWare or Hyper-V server with a disk format of VHDX. The VMWare Management Center virtual engines are packaged in the .OVA file format (defined by VMware). The Hyper-V Management Center virtual engines are packaged in the .ZIP file format.

Refer to the Release Notes for information on Virtual Appliance scalability.

# Services and Support

Extreme Networks provides comprehensive service offerings that range from Professional Services to design, deploy and optimize customer networks, customized technical training, to service and support tailored to individual customer needs. Contact your Extreme account executive for more information about Extreme Service and Support.

# Ordering Information

| Model Number | Model Description |
| --- | --- |
| XIQ-PIL-S-C-EW | ExtremeCloud IQ Pilot SaaS Subscription and ExtremeWorks SaaS Support for one (1) device (1 year) |
| XIQ-PIL-S-C-PWP | ExtremeCloud IQ Pilot SaaS Subscription and PartnerWorks Plus SaaS Support for one (1) device (1 year) |