

Web Security Suite

Education-Focused Solution Designed to Enable Learning, Not Block It

The growth of mobile devices in schools brings valuable learning resources to the classroom but also introduces new threats to the school network. iboss' powerful Web Security Suite delivers unrivalled protection that enforces CIPA and other regulations, while enabling mobile learning and safe Web access. Only iboss provides content-aware stream-based technology, for visibility and control across all the Web streams on your network. And iboss offers proprietary education-focused features with unmatched ease-of-use and low TCO.

Benefit Highlights

- Enforces CIPA compliance with content-aware filtering across all Web traffic including all 131,070 data channels on your network
- Stops port-evasive threats and proxy circumvention attempts with multi-layered application management
- Delivers latency-free SSL content management with selective decryption
- Secures mobile devices including iOS, Android, and Chromebooks even while off-premises
- Ensures critical traffic such as online testing and attendance is always connected with intelligent bandwidth shaping and reporting
- Enables granular social media access while monitoring cyberbullying and high risk users
- Built in tools allow for safe and effective BYOD implementation
- Solves Google and Youtube pain points with patented technology

Feature Descriptions

Unrivalled Visibility across All Ports to Find Hidden Threats

iboss stream-based technology gives you visibility and control over all the data channels on your network for inbound/outbound protection across 131,070 TCP and difficult-to-secure UDP ports used for streaming data.

Advanced Application Management and Safe Social Media

iboss advanced application scanning with deep packet inspection (DPI) secures the school gateway from unwanted applications, threats and circumvention attempts. And iboss

enables granular content-aware management of social media applications with policy-based enforcement.

Multi-layered Proxy Enforcement Prevents Circumvention

Students who try to circumvent your school's Web security solution are often assisted by Web proxies designed to enable anonymous browsing. iboss technology immediately identifies and secures circumvention attempts using a hybrid cloud database. iboss features include keyword filters and email alerts.

Deployment Options:

- ✓ Appliance
- ✓ Hybrid
- ✓ Cloud

iboss Web Security Suite Features

Granularity Needed to Enable Technology in the Classroom

- Granular social media controls
- Manage SSL traffic with or without decryption
- Robust YouTube and Google management tools
- Layer 7 proxy circumvention defense
- Secure iOS, Android, and Chromebooks on or off network
- BYOD tools with directory integration
- Intelligent bandwidth management ensures network availability
- Scalable up to 100Gbps performance

Advanced Security

- Protect across the entire Web stream
- Detect and mitigate infected devices
- Secure against advanced threats
- Prevent data loss with signature-less defense
- High-risk app quarantine

Industry's Most Dynamic Reporting

- Directory user-name-based reporting
- Forensic level drill-down details stored locally for up to 1 year
- High-risk user behavior alerting
- 'Noise filters' clean web logs of non-user-generated events
- Packet-level network traffic visibility
- Dashboards for real-time visibility
- Automated reporting saves time
- Report admin delegation
- Threat identifications with event logs

Flexible Deployment & Administration

- User-friendly management and reporting interface
- Deploys in less than 1 hour – access to dedicated 1:1 support
- Flexible deployments including inline, out of band and clustering
- Single sign-on with streamlined integration across all directory services
- OS and browser independent
- Delegated Administration
- VLAN trunking support
- Fail-over and Fail-Safe Bypass Ports

YouTube for Schools and Proprietary Clean Video Search

iboss provides flexible controls for YouTube with the ability to apply multiple Youtube for Schools keys across one campus for unmatched flexibility. In addition, iboss' proprietary Clean Video Search will dynamically strip unwanted ads and comments directly from video results, ensuring classrooms only receive clean videos.

Patented Google Management Features

iboss technology enables safe use of Google Services such as Google Images and Translation with iboss Clean Image Search and Translation Filtering. It goes beyond safe search to protect against inappropriate images or translation, which may violate CIPA compliance. In addition, iboss' patented Google/Youtube SSL management solves the pain points of managing Google & Youtube without decryption, enabling enforcement across BYOD.

Intelligent Bandwidth Shaping Ensures Network Availability

iboss Intelligent Bandwidth Management delivers granular control of bandwidth during peak usage hours so network availability for important functions such as online testing, is never jeopardized. Unlike standard solutions, iboss enables dynamic throttling during peak hours or per group/individual with features that include binding to directory services, pre-defined rule categories, throttling per UDP port, IP range or TCP/IP address.

BYOD (bring your own device) Management

iboss integrates BYOD management to extend CIPA compliance to students on their mobile devices. iboss also identifies BYOD users not using a NAC and provides a captive portal that binds users to your network directory or LDAP automatically, assuring consistent policy enforcement regardless of device ownership.

goLive! Campus

iboss goLive! Campus is an optional tool that provides collaboration between teachers, students, and parents, allowing them to share videos and grading, plus create dynamic calendars for distance learning enablement.

Threat and Event Reporting with Desktop Recorder

iboss integrates powerful network insight and forensic intelligence with features that include drill-down reporting, dynamic geo-mapping, real-time dashboards and exclusive desktop recording. With iboss, you are assured immediate, actionable intelligence on who, where and how your network is being accessed, giving you time to mitigate problems quickly.

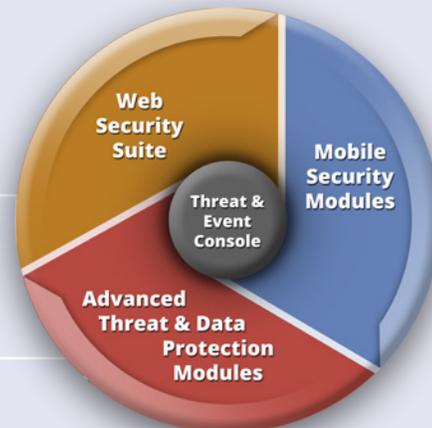
Hardware Specs – iboss offers a wide-range of appliances to fit any size organization. Here are some examples:

Model	CPU	Hard Drive	Memory	Through-put	Workstations	Physical
2160	Intel Core i3- 2120, 3.3 GHz	160 GB SSD	2GB DDR2, 667MHz RAM	100Mbps	200-300	1U
14600	Intel Xeon Quad-core, X5550 2.66GHz	120.0 GB SSD	12GB DDR3, 1333MHz RAM	1Gbps	12,000-50,000	1U
14600x	Intel Xeon Quad-Core, X5550 2.66 GHz	4 x 1TB RAID	12GB DDR3, 1333MHz RAM	5Gbps+	50,000-250,000	1U

iboss Next-Generation Solutions

In addition to the Web Security Suite, iboss offers expanded modules for comprehensive protection. All modules are completely integrated with Web Security Suite to deliver aggregate, single pane of glass reporting:

- Web Security Suite with integrated BYOD and Bandwidth Management
- Advanced Threat and Data Protection with Behavioral DLP and Sandboxing
- Mobile Security with integrated MDM



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