



HIGH-PERFORMANCE EMAIL  
SECURITY. CARRIER-PROVEN  
TECHNOLOGY. ENTERPRISE-  
CLASS MANAGEMENT.

## IronPort C350 for Medium-Sized Enterprises and Satellite Offices

### OVERVIEW

Medium-sized enterprises face the same daunting challenges as the Fortune 500 and Global 2000 – higher mail volumes and new, evolving threats. The *IronPort C350™* is purpose-built on the foundation of the *IronPort AsyncOS™* operating system, to provide power for today's volumes and high-performance scanning for tomorrow's threats. The unparalleled performance of the IronPort email security appliance delivers industry-leading protection from inbound spam and virus attacks and outbound data loss possibilities, in an easy-to-use appliance.

Today's email-borne threats consist of virus attacks, spam, false positives, distributed denial-of-service (DDoS) attacks, spyware, phishing (fraud), regulatory compliance violations and data loss. The *IronPort C350* email security appliance addresses the issues faced by corporations, both large and small, by incorporating preventive and reactive security measures that are easy to deploy and manage.

### FEATURES

The *IronPort C350* contains a powerful multi-layered approach to email security – providing advanced threat prevention, blocking spam and viruses, and enabling corporate data loss prevention and remediation.

#### SPAM PROTECTION

IronPort® provides defense in depth against spam with a preventive layer of reputation filters, followed by reactive filters.

**IronPort Reputation Filters™** provide an outer layer of defense using *IronPort SenderBase®* data to perform a real-time email traffic threat assessment and identify suspicious email senders.

**IronPort Anti-Spam™ Filters** utilize the industry's most innovative approach to threat detection, based on IronPort's unique

*Context Adaptive Scanning Engine™ (CASE)*. IronPort's CASE examines the complete context of a message, including: "What" content the message contains, "How" the message is constructed, "Who" is sending the message, and "Where" the call to action of the message takes you. By combining these elements, *IronPort Anti-Spam* stops the broadest range of threats with industry-leading accuracy.

**The IronPort Spam Quarantine™** is a self-service end-user solution, with an easy to use Web or email-based interface. This feature provides end-users with their own safe holding area for spam messages and integrates seamlessly with existing directory and mail systems.



## FEATURES (CONTINUED)

### VIRUS PROTECTION

**IronPort Virus Outbreak Filters™** identify and stop viruses hours before traditional virus signatures are available.

**Sophos Anti-Virus** technology provides a fully integrated second layer of virus protection with the highest-performance virus scanning technology in the industry.

**McAfee Anti-Virus** technology is fully integrated to provide an additional layer of protection (either in conjunction with, or as an alternative to, Sophos) for maximum virus security.

### DATA LOSS PREVENTION

**Integrated Compliance Filters** allow customers to address PCI, HIPAA, GLB, SOX and other regulatory compliance requirements. IronPort's easily deployed solution defends against regulatory compliance violations, enables intellectual property protection and enforces organizations' acceptable use policies.

**IronPort Email Encryption** gives administrators the ability to secure confidential data and comply with partner, customer or regulatory requirements. *IronPort PXE™* encryption technology enables simple, secure communication from the gateway to any recipient inbox — while TLS, PGP and S/MIME technology provide security between partner email gateways.

**Compliance Quarantine** provides delegated access to emails that have been flagged by the content scanning engine.

### EMAIL AUTHENTICATION

**DomainKeys Identified Mail (DKIM), and DomainKeys verification and signing** digitally process messages to establish and protect identities with email senders and receivers on the Internet.

**IronPort Bounce Verification™** tags messages with a digital watermark to provide filtering of bounce attacks at the network edge.

**Directory Harvest Attack Prevention** tracks spammers who send to invalid recipients and blocks attempts to steal email directory information.

### ENTERPRISE MANAGEMENT TOOLS

**Email Security Manager™** is a powerful, graphical management tool that yields fingertip control to manage all security — including preventive and reactive anti-spam and anti-virus filters, email encryption and content filtering.

**Intuitive GUI** enables unprecedented visibility and control. The integrated Web-based user interface enables real-time and historical reporting along with the ability to configure policies, search, and selectively release quarantined messages.

**Centralized Management** eliminates a single point of failure with superior “peer to peer” architecture, and makes managing multibox installations of IronPort email security appliances simple. The ability to manage configuration at multiple levels allows organizations to manage globally while complying with local policies.

**Mail Flow Central™** allows you to find the status of any message that has traversed your infrastructure. With this centralized reporting tool, administrators and support staff can quickly answer end-user inquiries such as, “What happened to my email?”.

**Email Security Monitor™** delivers real-time threat monitoring and reporting. This technology tracks every system connecting to your IronPort appliance to identify Internet threats (such as spam, viruses and denial-of-service attacks), monitor internal user trends and highlight compliance violations.

**SNMP Enterprise MIB** facilitates hands-off monitoring and alerting for all system parameters including hardware, security, performance, and availability.



**BENEFITS**

**Unprecedented Insight** IronPort technology demonstrates Return On Investment (ROI) through very sophisticated management, monitoring and reporting tools. Each appliance has a unique reporting system, providing both a real-time and historical look at mail flowing through your email infrastructure. These tools provide system administrators with the necessary information to make critical security decisions.

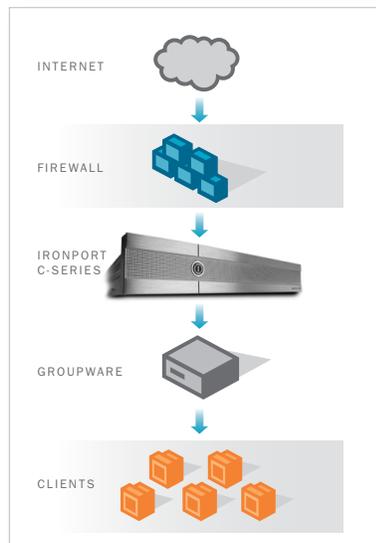
**Reduced Administrative Burden** The *IronPort C350* uses the industry's most advanced technology to deal with threats and anomalies in a fully automated manner. This allows highly skilled IT staff to focus on other problems and leave the email issues to IronPort.

**Lower TCO** The *IronPort MTA* platform enables massive reduction in Total Cost of Ownership (TCO) by consolidating email operations and security into a single platform. Self-managing security services provide the lowest-maintenance solution in the industry with minimal configuration requirements.

**Increased End-User Productivity** By securing the network at the gateway level, the *IronPort C350* acts as a "shock absorber," in front of the groupware server(s). This ensures that end-users are not bogged down by spam, viruses, and other threats. Unlike other solutions, IronPort security services do not rely on end-users to "train" the system. Instead, high accuracy is maintained through continuous and automatic rule updates.

**Improved Network Efficiency** The *IronPort Reputation Filtering* system was the first in the industry and remains the most sophisticated. In its default settings, the system will block over 80 percent of incoming mail at the connection level. By eliminating these unwanted messages, companies save bandwidth (the message is never accepted) and system resources. CPU-intensive spam and virus filters are only used when needed, and rate limiting is a very effective defense against "hit and run" spam attacks or denial-of-service attacks.

The *IronPort C350* integrates easily into existing messaging infrastructures—delivering defense-in-depth security with carrier-proven technology and the management capabilities required by large enterprises and ISPs.



*IronPort Email Security Monitor's* intuitive graphical user interface enables real-time and historical visibility into your email traffic.

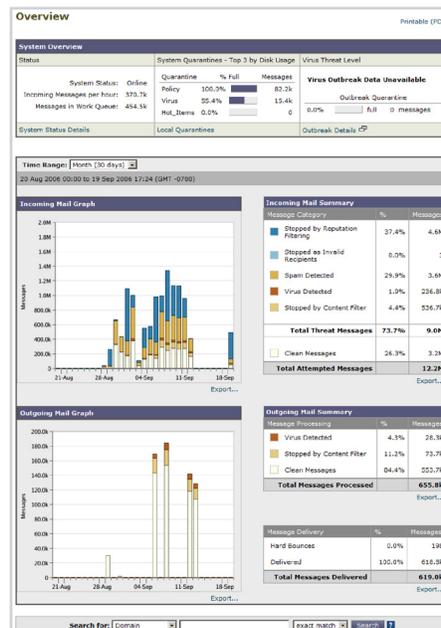


FIGURE 1.

**TODAY'S EMAIL-BORNE THREATS** consist of virus attacks, spam, false-positives, distributed denial of service attacks, directory harvest attacks, phishing (fraud), data loss and more. The *IronPort C350* email security appliance addresses the issues faced by medium-sized enterprises and satellite offices, by uniquely combining powerful performance with preventive and reactive security measures that are easy to deploy and manage.

**Power at the Perimeter:**  
The *IronPort C350* provides multi-layered security on a single appliance by combining IronPort's revolutionary technology with additional market-leading solutions.



**SPECS**

**CHASSIS/PROCESSOR**

Form Factor 19" Rack-Mountable, 2U rack height  
 Dimensions 3.5" (h) x 19" (w) x 29" (d)  
 CPU One Intel Multi-Core processor  
 Power Supplies Hot-plug redundant, 750 watts, 100/240 volts

**STORAGE**

RAID RAID 1 configuration; dual-channel hardware with battery-backed cache  
 Drives Two hot-swappable, 146GB Serial Attached SCSI  
 Capacity 35GB effective queue capacity, 45GB non-mail (e.g. log) capacity

**CONNECTIVITY**

Ethernet One Intel 10/100 BaseT and two Broadcom Gigabit BaseT Ethernet ports  
 Serial One RS-232 (DB-9) serial port

**MAIL OPERATIONS**

Mail Protocols SMTP, ESMTP, Secure SMTP over TLS  
 DNS Internal resolver/cache; Can resolve using local DNS or Internet root servers  
 LDAP Integrates with Active Directory, Notes, Domino and OpenLDAP servers.

**INTERFACES/CONFIGURATION**

Web Interface Accessible by HTTP or HTTPS  
 Command Line Interface Accessible via SSH or Telnet; Configuration Wizard or command-based  
 File Transfer SCP or FTP  
 Programmatic Monitoring XML over HTTP(S)  
 Configuration Files XML-based configuration files archived or transferred to cluster

**CRYPTOGRAPHIC ALGORITHMS**

TLS (Encrypted SMTP) 56-bit DES, 168-bit 3DES, 128-bit RC4, 128-bit AES and 256-bit-AES  
 DomainKeys Signing 512, 768, 1024, 1536 and 2048-bit RSA  
 SSH for System Management 768 and 1024-bit RSA  
 HTTPS for System Management RC4-SHA and RC4-MD5



## PRODUCT LINE

### SIZING UP YOUR EMAIL SECURITY SOLUTION

IronPort Systems provides industry leading email security products for organizations ranging from small businesses to the Global 2000.

<b>IronPort X1050</b>	Built to meet the needs of the most demanding networks in the world.
<b>IronPort C650</b>	Designed for large enterprises and service providers.
<b>IronPort C350</b>	Suggested for medium to large enterprises.
<b>IronPort C350D</b>	Recommended for any company with unique outbound email communication needs.
<b>IronPort C150</b>	An affordable, and easy to use, all-in-one appliance for small to medium enterprises.

## SUMMARY

### INDUSTRIAL STRENGTH EMAIL SECURITY

The IronPort email security appliance is the most sophisticated system available today. In production at eight of the ten largest ISPs and more than 20 percent of the world's largest enterprises, this system has a demonstrated record of unparalleled security and reliability.

This same code base that powers IronPort's most sophisticated customers is also available in the *IronPort C350* email security appliance, to help protect the email systems of medium-sized enterprises and satellite

offices. By reducing the downtime associated with spam, viruses and a wide variety of other threats, the *IronPort C350* enables the administration of corporate mail systems, reduces the burden on technical staff, and quickly pays for itself. The advanced technology within the IronPort email security appliance leads to the simplicity of management, as well as the highest levels of security in the world. IronPort's email security appliances support and protect your email systems—not only from today's threats, but from those certain to evolve in the future.

## CONTACT US

### TRY BEFORE YOU BUY

Through a global salesforce and reseller network, IronPort offers a free "Try Before You Buy" program for the *IronPort C350*. To learn if you qualify call 650-989-6530 or visit us on the Web at [www.ironport.com/try](http://www.ironport.com/try)



#### IronPort Systems, Inc.

950 Elm Avenue, San Bruno, California 94066

TEL 650.989.6500 FAX 650.989.6543

EMAIL [info@ironport.com](mailto:info@ironport.com) WEB [www.ironport.com](http://www.ironport.com)

IronPort Systems, a Cisco business unit, is a leading provider of anti-spam, anti-virus and anti-spyware appliances for organizations ranging from small businesses to the Global 2000. IronPort appliances utilize SenderBase, the world's largest email and Web threat detection network and database. IronPort products are innovative and easy-to-use—providing breakthrough performance and playing a mission-critical role in a company's network infrastructure.

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