

# IronPort Email Security Appliances

## At-A-Glance



**IronPort® Systems, Inc. is an independent business unit of Cisco Systems. Operating as a part of Cisco's Security Technology Group, IronPort is a leading provider of anti-spam, anti-virus and anti-spyware appliances for organizations ranging from small businesses to the Global 2000. IronPort technology addresses issues faced by corporations worldwide, by combining powerful performance with preventive and reactive security measures that are easy to deploy and manage.**

### WHY IS EMAIL SECURITY SO IMPORTANT?

The volume and sophistication of email-based threats continues to grow at an unchecked pace. Most organizations observe that as much as 90 percent of their incoming mail is invalid (spam, viruses, etc.), with the total number of incoming messages doubling every year – even as the number of employees stays constant. These email security threats are fueled by a powerful profit motive associated with spam, fraud and information theft. This creates resources that bring professional engineers into the business of developing new threats, further exacerbating the situation. As this cycle does not appear to have a natural equilibrium, threats are expected to continue to grow in volume and sophistication for the foreseeable future.

There are no silver bullets to eliminate the flaws found in email. The ultimate answer will likely emerge as a mixture of many complementary solutions. The sustained viability of email demands a convergence of market-driven research and technological development.

### WHAT ARE IRONPORT'S EMAIL SECURITY PRODUCTS?

#### IronPort Email Security Appliances

The IronPort C-Series™ and IronPort X-Series™ email security appliances are in production at eight of the ten largest ISPs and more than 20 percent of the world's largest enterprises. These industry-leading systems have a demonstrated record of unparalleled performance and reliability.

IronPort email security appliances combine market-leading, best-of-breed anti-spam, antivirus, encryption, digital rights management, and archiving technologies. These solutions run on IronPort's revolutionary MTA platform, providing the highest levels of email protection, with exclusive preventive and reactive technologies, and industry-leading email management tools.

The same technology that powers and protects IronPort's most sophisticated customers is available for companies of all sizes, starting with the entry-level IronPort C150™. By reducing the downtime associated with spam, viruses and blended threats, IronPort email security appliances vastly improve the administration of corporate email systems, reduce the burden on technical staff and provide state-of-the-art network protection.

IronPort email security appliances provide a multi-layer approach to stopping email-based threats:

- Spam protection: Email and Web reputation filtering technology is combined with industry-leading IronPort Anti-Spam™
- Virus defense: IronPort Virus Outbreak Filters™ are paired with fully integrated traditional anti-virus technology
- Secure messaging: Policy enforcement and content filtering technology fulfills compliance and regulatory requirements



*IronPort email security solutions integrate easily into existing messaging infrastructures – delivering defense-in-depth security.*

### IronPort Email Encryption Technology

Although email is critical to the rapid pace of business today, the general lack of message security is a source of concern, both for regulators and business executives. Encryption is a vital aspect of an overall email security solution. Successful organizations recognize the value of secure, reliable, scalable solutions that meet the needs of diverse lines of business.

A unique combination of usability, low total cost of ownership (TCO) and universal access has allowed IronPort to revolutionize email encryption beyond core compliance applications. IronPort provides a complete portfolio of secure delivery methods, integrated key management and the power of business-class email – enabling the comprehensive functionality necessary to protect even the most complex enterprise environments.

IronPort email encryption technology provides:

- A unified solution for enforcing granular encryption policies
- Industry-leading encryption capabilities, enabling compliance with regulatory requirements
- Secure email delivery – it seamlessly encrypts, decrypts and digitally signs confidential email messages
- Guaranteed message signing (sender and recipient verification) and integrity
- Protection for messages stored on servers



## WHAT IS THE IRONPORT SENDERBASE NETWORK?

IronPort appliances harness the power of the IronPort SenderBase® Network, the world's first and largest threat tracking database. SenderBase captures data from more than 100,000 organizations worldwide, providing a large and diverse sample of Internet traffic patterns.

- IronPort's SenderBase receives over five billion queries daily
- With SenderBase data, IronPort blocks up to 80 percent of spam at the connection level
- For live threat updates and real-time access to your SenderBase Reputation Score (SBRS), visit: [www.senderbase.org](http://www.senderbase.org)

## WHAT ARE IRONPORT'S TECHNOLOGY DIFFERENTIATORS?

**IronPort AsyncOS™:** IronPort Systems' AsyncOS is a unique, high-performance software architecture, engineered from the ground up to address concurrency-based communications bottlenecks and the limitations of file-based queuing.

**IronPort Reputation Filters™:** IronPort Reputation Filters perform a real-time email threat assessment and then identify suspicious email senders. Suspicious senders are rate limited or blocked, preventing malicious traffic from entering the network.

**IronPort Anti-Spam:** IronPort Anti-Spam combines best-of-breed conventional techniques with IronPort's breakthrough context-sensitive detection technology, to eliminate the broadest range of known and emerging email threats.

**IronPort Virus Outbreak Filters:** IronPort Virus Outbreak Filters detect new virus outbreaks in real time, then quarantine suspicious messages – offering protection up to 42 hours before traditional anti-virus solutions.

**IronPort PXE:** IronPort PXE encryption technology revolutionizes email encryption – meeting compliance requirements while delivering powerful new business-class email features.

**IronPort Threat Operations Center:** IronPort's 24x7 Threat Operations Center (the TOC) is IronPort's view into global traffic activity – enabling IronPort to analyze anomalies, uncover new threats and track traffic trends.

*Power at the Perimeter:  
IronPort email security  
appliances provide multi-  
layered security on a  
single appliance.*



## WHAT SETS IRONPORT APART FROM OTHER EMAIL SECURITY VENDORS?

- IronPort provides the industry's highest spam catch-rate, greater than 98 percent, with a less than one in one million false positive rate.
- IronPort Reputation Filters eliminate 80 percent of junk email, before it enters your network.
- IronPort provides DomainKeys (DKIM) signing, directory harvest attack (DHA) prevention and complete protection against bounced-message attacks.
- IronPort allows you to set different filtering policies for different groups within your organization.
- Real-time reporting allows administrators to be proactive about email security and modify policies if they are under attack.

## WHICH IRONPORT APPLIANCE IS RIGHT FOR MY ORGANIZATION?

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

**IronPort X1050™:** Built to meet the needs of the most demanding networks in the world.

**IronPort C650™:** Designed for large enterprises and service providers.

**IronPort C350™:** Suggested for medium to large enterprises.

**IronPort C350D™:** Recommended for any company with unique outbound email communication needs.

**IronPort C150:** An affordable, and easy to use, all-in-one appliance for small to medium enterprises.

**IronPort Encryption Appliance™:** The most comprehensive email encryption gateway on the market.

## WHY IRONPORT?

IronPort develops and builds the most sophisticated email security solutions available today. IronPort's advanced technology leads to the simplicity of management, and also the highest levels of security in the world. IronPort's email security solutions are carrier-class offerings that can support and protect your email systems – not only from today's threats, but from those certain to evolve in the future.

## WHERE SHOULD I GO FOR MORE INFORMATION?

To secure greater protection for your company's messaging system, participate in IronPort's "TRY BEFORE YOU BUY" evaluation program and receive a fully-functional IronPort evaluation appliance to test in your network, free for 30 days. Visit [www.ironport.com/try](http://www.ironport.com/try) or call 650-989-6530.