

# Cisco IronPort Email Security Appliances

## 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 Cisco's Email Security Products?

### Cisco IronPort Email Security Appliances

The Cisco® IronPort C-Series and Cisco 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, anti-virus, 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.

With a complete portfolio of secure delivery methods, integrated key management and the power of business-class email, IronPort® technology also provides industry-leading encryption capabilities – enabling the comprehensive functionality necessary to protect even the most complex enterprise environments.

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:

- For spam protection, email and web reputation filtering technology is combined with industry-leading Cisco IronPort Anti-Spam
- Cisco IronPort Virus Outbreak Filters are paired with fully-integrated traditional anti-virus technology to enable the industry's most powerful virus defense
- Cisco IronPort PXE encryption technology fulfills secure messaging, compliance and regulatory requirements



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

## What is the Cisco SenderBase Network?

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

- SenderBase receives over 30 billion queries daily
- Using SenderBase data increases malware catch rates by more than 20 percent over signature-based scanning alone – an unprecedented increase in efficacy
- For live threat updates and real-time access to your SenderBase Reputation Score (SBRS), visit: [www.senderbase.org](http://www.senderbase.org)

## What Are Cisco IronPort's Email Security Technology Differentiators?

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

**Cisco 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.

**Cisco 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.

**Cisco 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.

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

**The Cisco Threat Operations Center** (the TOC) provides a 24x7 view into global traffic activity – enabling Cisco to analyze anomalies, uncover new threats and track traffic trends.



IronPort email security appliances provide multi-layered security in a single solution.

## What Sets Cisco Apart from Other Email Security Vendors?

- IronPort technology 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.
- Cisco provides DomainKeys (DKIM) signing, directory harvest attack (DHA) prevention and complete protection against bounced-message attacks.
- Cisco 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 Cisco IronPort Email Security Appliance is Right For My Organization?

- **Cisco IronPort X1060:** Built to meet the needs of the most demanding networks in the world.
- **Cisco IronPort C660:** Designed for large enterprises and service providers.
- **Cisco IronPort C360:** Suggested for medium to large enterprises.
- **Cisco IronPort C360D:** Recommended for any company with unique outbound email communication needs.
- **Cisco IronPort C150:** An affordable, and easy to use, all-in-one appliance for small to medium enterprises.
- **Cisco IronPort Encryption Appliance:** The most comprehensive email encryption gateway on the market.

## Where Should I Go For More Information?

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



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