

# In The Boxing Ring



## IN THIS ISSUE

### 2. **S-25/S-35/S-85**

Three new S-series boxes (the S-25, S-35 and S-85). With zero moving parts, Gigabit ethernet ports, and blindingly fast Intel processors, these new models set the yardstick for performance and reliability in this class of device.

### 3. **M-255/M-285**

Two new M-series boxes (the M-255 and M-285). Built to operate in either an office or data centre environment, these models utilise low power and low heat technology to deliver outstanding performance without the noise or heat.

### 4. **DEFAULT POLICY CHANGE**

An important change to the Network Box recommended default policy regarding SCRIPT, IFRAME and OBJECT tags in eMails; coming into effect this month.

### 4. **JANUARY 2010 FEATURES**

As usual, we will be deploying our on-going enhancements and improvements as well as maintenance features to all NBR3-3.0 customers.

## Network Box Technical News from Mark Webb-Johnson, CTO Network Box

### Welcome

Welcome to the February 2010 edition of 'In the Boxing Ring'. In this edition, I'm excited to be present details on five new box models being launched this quarter.

On page 2, we present three new S-series boxes (the S-25, S-35 and S-85). With zero moving parts, Gigabit ethernet ports, and blindingly fast Intel processors, these new models set the yardstick for performance and reliability in this class of device. Utilising the same solid state drive for firmware as previous models, the S-35 and S-85 also offer an option for replacing the usual hard drive with a solid state drive for storage of logs and database.

On page 3, we present two new M-series boxes (the M-255 and M-285). Built to operate in either an office or data centre environment, these models utilise low power and low heat technology to deliver outstanding performance without the noise or heat. Going beyond the highly successful M-250 model, these new models offer over twice the performance and four times the storage.

On page 4, in place of the usual monthly hint, we outline the software updates delivered as part of this month's

software release. We also leave space to remind you of the important change to the Network Box recommended default policy regarding SCRIPT, IFRAME and OBJECT tags in eMails, that comes into effect this month. Please take the time to read and understand this change, and discuss any special requirements you have with your local support NOC.

As usual, if you have any feedback, or comments, they are always appreciated. You can contact us here at HQ via eMail ([nbhq@network-box.com](mailto:nbhq@network-box.com)). Or, drop by our office next time you are in town.

You can also keep in touch by following our Network Box Security Response twitter feed at:

**[twitter.com/networkboxhq](https://twitter.com/networkboxhq)**

Mark Webb-Johnson  
CTO, Network Box Corporation  
February 2010



### S-25 and S-35 Models for FW/VPN/IPS

With zero moving parts, Gigabit ethernet ports, and blindingly fast Intel processors, the S-25 and S-35 models set the yardstick for performance and reliability in this class of device.

Offering a truly unique design, the usual CPU/motherboard layout is inverted - turning the top of the case into a heat sink and requiring no fan (even when operating at full processor speed).

Both models come with Network Box firmware on a 2GB Compact Flash. The S-25 model is diskless (intended to be used with a centralised logging server) while the S-35 model offers an additional 32GB of SSD solid state storage for logs and database.

Five ethernet ports are included (four 10/100/1000baseTX and one 10/100baseTX).



Designed for small offices and branch offices requiring VPN, Firewall and Intrusion Prevention functionality, the FW+ service package offered with these models offer an affordable solution to connect remote offices back to a central location.

Full support is offered for Network Box advanced services such as load balancing, quality of service, and advanced policy based routing. The boxes are fully managed and monitored from the Network Box Global Management System.

The S-25 and S-35 models will be available, globally, on Tuesday 16th February 2010.

| Technical Specifications |   |
|--------------------------|---|
| <b>Processor</b>         | Intel Celeron M<br>1.0 GHz<br>64 KB Cache |
| <b>RAM</b>               | 1 GB                                      |
| <b>Flash</b>             | 2 GB                                      |
| <b>Disk</b>              | S-25: None<br>S-35: 32GB SSD              |
| <b>Network</b>           | 1x 10/100<br>4x 10/100/1000               |
| <b>Acceleration</b>      | None                                      |
| <b>Options</b>           | None                                      |
| <b>Notes</b>             | FW+ Only                                  |

### S-85 Model for All Services

Built on the same chassis as the S-25/S-35 models, the S-85 model also offers zero moving parts, Gigabit ethernet ports, and a blindingly fast Intel processor. With 2GB RAM memory, the S-85 model is able to be used with full UTM+ services for up to 10 users.

The S-85 model comes with Network Box firmware on a 2GB Industrial Grade Compact Flash, and has 32GB of SSD solid state storage for logs and database.

Five ethernet ports are included (four 10/100/1000baseTX and one 10/100baseTX).

Designed for small offices, branch offices and homes requiring full Network Box UTM+, CF+ or AV+ services (with either 5 or 10 user licenses), this model offer an affordable solution for the deployment of effective managed



Internet Threat Protection (including all advanced Network Box services and options).

All this, with three times the network throughput and double the memory of the S-80 model that this replaces.

Full support is offered for Network Box advanced services such as load balancing, quality of service, and advanced policy based routing. The boxes are fully managed and monitored from the Network Box Global Management System.

The S-85 model will be available for purchase, globally, on Tuesday 16th February 2010.

| Technical Specifications |   |
|--------------------------|---|
| <b>Processor</b>         | Intel Celeron M<br>1.0 GHz<br>64 KB Cache |
| <b>RAM</b>               | 2 GB                                      |
| <b>Flash</b>             | 2 GB Industrial                           |
| <b>Disk</b>              | 32GB SSD                                  |
| <b>Network</b>           | 1x 10/100<br>4x 10/100/1000               |
| <b>Acceleration</b>      | None                                      |
| <b>Options</b>           | None                                      |
| <b>Notes</b>             | All Services                              |



**M-255 and M-285 Models**

Built to operate in either an office or data centre environment, the M-255 and M-285 models utilise low power and low heat technology to deliver outstanding performance. Going beyond the highly successful M-250 model, these new models offer over twice the performance and four times the storage.

These models utilise Intel Celeron and Pentium Mobile technology, coupled with intelligent fan control, to minimise noise and heat, while maximising performance.

Both models come with Network Box firmware on a 4GB Compact Flash. They house a 320GB SATA hard drive (for logs and database storage, as well as temporary pool area). Five ethernet ports are included (four 10/100/1000 baseTX and one 10/100baseTX).

The M-255 is equipped with an Intel Celeron M processor at 1.5 GHz, and offers approximately twice the performance of the M-250 model.

The M-285 has an Intel Pentium M processor at 2.0 GHz (giving it an extra 25% to 30% speed boost over the M-255 model) - almost two and a half times the performance of the M-250.

Designed for medium sized offices requiring Network Box UTM+, CF+ or AV+ services (with per-box user licenses), the models are suitable for either desktop/shelf use or rack mountable for data centre use.

A front-panel LCD display panel, and four-key entry keypad is included for on-site maintenance, setup and diagnostics.

All this, with more than twice the performance and four times the storage of the M-250 model they replace, the M-255 and M-285 models provide the speed and capacity to allow your business to grow while enabling comprehensive managed Internet Threat Protection.

Full support is offered for Network Box advanced services such as load balancing, quality of service, and advanced policy based routing. The boxes are fully managed and monitored from the Network Box Global Management System, and can be integrated with existing clusters and networks of Network Boxes.

The M-255 and M-285 models will be available, globally, on Tuesday 2nd March 2010. Please contact your local Network Box account representative for further information.

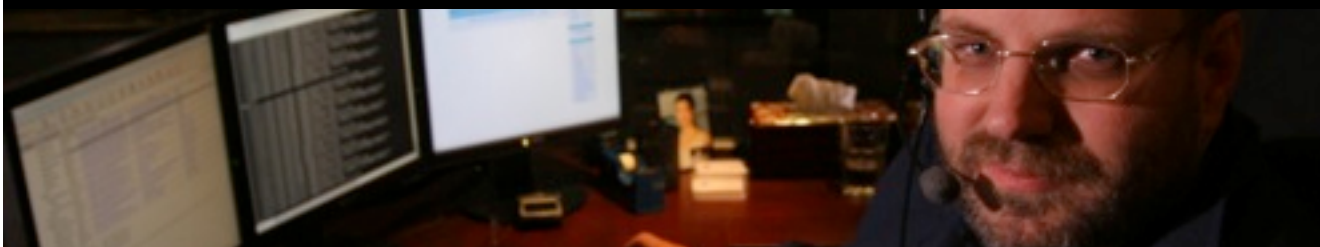
**M-255 Technical Specifications**

|                     |  |
|---------------------|--|
| <b>Processor</b>    | Intel Celeron M<br>1.5 GHz<br>1 MB Cache |
| <b>RAM</b>          | 2 GB                                     |
| <b>Flash</b>        | 4 GB Industrial                          |
| <b>Disk</b>         | 320 GB SATA                              |
| <b>Network</b>      | 1x 10/100<br>4x 10/100/1000              |
| <b>Acceleration</b> | None                                     |
| <b>Options</b>      | None                                     |
| <b>Notes</b>        | All Services                             |

**M-285 Technical Specifications**

|                     |  |
|---------------------|--|
| <b>Processor</b>    | Intel Pentium M<br>2.0 GHz<br>2 MB Cache |
| <b>RAM</b>          | 2 GB                                     |
| <b>Flash</b>        | 4 GB Industrial                          |
| <b>Disk</b>         | 320 GB SATA                              |
| <b>Network</b>      | 1x 10/100<br>4x 10/100/1000              |
| <b>Acceleration</b> | None                                     |
| <b>Options</b>      | None                                     |
| <b>Notes</b>        | All Services                             |





### February 2010 Features

On Tuesday, 2<sup>nd</sup> February 2010, Network Box will release our patch Tuesday set of enhancements and fixes. The regional NOCs will be conducting the rollouts of the new functionality in a phased manner over the next 7 days. This month, these include:

- Addition of firmware support for the new S-25, S-35, S-85, M-255 and M-285 models.
- Enhancements to the content filtering system to speed-up rule reload times and overall performance on boxes with very large numbers of rules and policies.
- Enhancements to the PUSH update system for package management by Network Operation Centres.
- Improvements to the health monitoring system DNS resolution checks and detection of network link errors.
- Support for active checks in the Global Monitoring System, for devices on private addresses mapped 1-to-1 to a public address using Network Address Translation.
- Minor fixes to the my.network-box.com administrative web interface, relating to usage statistics reports, and a fix to the traceroute functionality in cases where a source address is specified.

In most cases, the above changes should not impact running services or require a device restart. However, in some cases (depending on configuration), a device restart may be required. Your local NOC will contact you to arrange this if necessary.

### Default Policy Change

As discussed in detail in the January 2010 In The Boxing Ring newsletter, Network Box has recommended customers employ a default policy of blocking eMails with certain attributes (along the lines of an executable attachment blocks).

Recently, this has become more of an issue as rich HTML emails are adopted by corporates, and the practice of forwarding website pages (rather than links) becomes widespread. We see more and more quarantine releases for these eMails.

Accordingly, on the February 2010 Patch Tuesday, Network Box will be changing its default recommended policy, as follows:

- For CAN-2002-1121, we will continue to recommend that message/partial be blocked by default.
- For The IFRAME, OBJECT and SCRIPT blocks, we will change our default recommend policy from 'block all' to 'block hidden'.

Customers who have not expressed a preference will have their policies migrated to the new default recommended settings. You can see your current policy under the Mail / Policy section of my.network-box.com.

If you have any questions on this, please contact your local support NOC for assistance.

Mark Webb-Johnson,  
CTO, Network Box Corporation

### JANUARY 2010 NUMBERS

| Key Metric)            | #         | % difference (since last month) |
|------------------------|-----------|---------------------------------|
| PUSH Updates           | 1,484     | +6.4                            |
| Signatures Released    | 134,199   | -8.2                            |
| Firewall Blocks (/box) | 639,362   | +0.5                            |
| IDP Blocks (/box)      | 188,675   | +6.1                            |
| Spams (/box)           | 43,771    | -8.3                            |
| Malware (/box)         | 1,338     | -31.6                           |
| URL Blocks (/box)      | 77,637    | -25.6                           |
| URL Visits (/box)      | 2,602,061 | -10.3                           |

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