



## eScan Internet Security Suite v11 VS Net Protector Internet Security 2011

### Why do we need Internet Security?

In this day and age data theft is by far a major concern – be it for organizations or even individuals. Now the question that needs to be answered here is, 'What do we understand by data theft?', 'Is it limited to organizations or does it trickle down to end users/consumers too?'. The answer is simple – data that is of importance to you is also mighty important to snoopers. It could be your school/college project or even specific files and folders. However for organizations, securing every bit is done on a much larger scale. Here it could be anything from financial accounts to intricate details of customers/employees. This is where endpoint protection plays a vital role.

But what do we mean by 'Endpoint Protection'? In computing terms, Endpoint basically refers to ports to which USB and FireWire based devices connect. Therefore, having these ports left open is a concern as there are high chances of data theft. At eScan we understand the needs of not only our enterprise users but also end users who require protection not only from Malware but also from data theft. Not only can users lock down all endpoints but it also prevents malicious programs from executing as and when a pendrive is inserted.

Moreover with a large number of people logging into Networking Websites, malware writers are beginning to target sites such as Facebook, Twitter, Orkut (to name a few). For instance, 'My 1st St@tus' scam affected thousands of users on Facebook. However such applications don't just get added to your profile but are generally granted access by the user himself. Once allowed, the application can not only acquire profile details but can also post messages on your behalf. It not only ends there, the application then spreads across the network through all who are linked to your profile. While this particular application doesn't infect the PC there are many other who direct you to malicious websites that could be home to Trojans and various other malware. To prevent such rogue instances from taking place eScan comes built with a URL filtering module that prevents web pages from getting redirected to malicious websites or URLs.

In addition to this, personal information can include anything from debit/credit card details, passwords for your personal accounts, bank details etc. To help protect your digital identity eScan ISS provides a much needed secure environment in comparison to other Security Suites. This would include certification levels reached by well known testing bodies such as AV-Comparatives, VirusBulletin and ICSA Labs. However another aspect that also needs to be taken into consideration is the number of false positives detected by the application. Therefore, just having a higher detection rate is never enough but being able to differentiate between malware (known/unknown) and genuine OS files is of utmost importance.

The first half of this document provides a brief overview of important features that the consumer gets with eScan ISS v11. The second half displays the effectiveness of the protection offered from two well known vendors: eScan and Net Protector.

Product Name	eScan Internet Security Suite v11	Net Protector Internet Security 2011
Manufacturer/Developer	MicroWorld	India Antivirus
VB 100% Certified	✓	✓
Unique Technology	MicroWorld Winsock Layer	Not Documented
Proactive Security	✓	✗
Real-Time AV Scanning	✓	✓
Spyware, KeyLogger, Rootkit Blocker	✓	✓
Real-Time File Monitor (Intelligent and Faster)	✓	✓
On-Demand Scan	✓	✓
Anti-Spam (NILP, RBL, SURBL)	✓	✓
Firewall (Inbound & Outbound )	✓	✓
Parental Control	✓	✗
Malware URL Filter	✓	✗
Anti – Phishing	✓	✓
Privacy Protection	✓	✓
Application Control	✓	✗
Endpoint Security	✓	✓
History/ Reports	✓	✓
Web based Help	✓	✗
Vulnerability detection	✗	✗
Asset Management	✓	✗
Network Monitoring tool	✓	✓
Update rollback	✓	✗
Hotfix Rollback	✓	✗
Auto download / update software version	✓	✓
Auto Backup / Restore	✓	✗
Remote Support Application	✓	✗
Virtual Keyboard	✓	✗
Entertainment/Gaming /Silent mode	✓	✗
Files and Folders Protection	✓	✗
Creating/Burning Bootable Rescue Disk	✓ Windows Based	✗
Automatic Patching of Windows® Operating System Vulnerabilities	✓	✗
Laptop/Battery /Power saving mode for schedule scan	✓	✗
Advanced Self-Protection Feature	✓	✗
Real-Time email Scan	✓	✓
Password protection	✓	✓
Heuristic Scanning	✓	✓
Registration/Activation:(via Web/SMS/eMail/FAX)	✓	✓
Grid-based Web Access/Timing	✓	✗
Personalized Dash Board	✗	✗
Instant Messenger Encryption	✗	✗
Pulse/Push Updates	✗	✗



## Privacy Control

This module has been implemented to help keep your data confidential and to minimize the amount of slack from accumulating over a period of time. However when we speak about confidentiality the module is built towards erasing browsing cache, history, cookies, plugins and various other forms of computing slack that gets left behind either during program installation or browsing the web. In addition to this, users can also add their own set of files and folders that need to be cleaned on a regular basis.

## On demand scan (with cache-technology)

eScan features cache technology that creates a record or Whitelist of all files that are scanned on the first run. This ensures faster scan speeds and lower usage of system resources every subsequent runs. Only new or modified files are examined by the scanner.

## Profile Based Parental Control

The Internet has always been a one stop junction for a vast number of topics. It has come to such a state that anything and everything is available at the click of a button. However apart from the beneficial aspect it is also home to a magnitude of unwanted information. This would include information on various undesirable aspects such as pornography, drugs and gambling.

With the help of this module parents can prevent kids from accessing undesirable sites and even block content that would otherwise damage the normal functionality of the computer. While the module is fully configurable it also features a set of four predefined profiles that can be assigned to users based on their age.

## Application Control

Another aspect of Endpoint Security is the Application Control feature. This added feature allows you to block applications from running on your PC. It includes pre-defined computer games, instant messengers, video/music players and P2P applications. In addition to this users can also add applications that need blocking.

## Web Based Help

An aspect that is also well taken care of is the eScan Wiki which is just a click away on our home page. The eScan Wiki is a comprehensive coverage of all our products. Here users can find product related information, tips as well solution based content that help resolve specific product related issues.

## Update/Hotfix rollback

At the start of every update eScan v11 makes a backup of the current database. So in the event the application downloads an update/hotfix that's corrupt it automatically rolls back to its previous stable database. However to keep user interactivity at its bare minimum the roll back process has been automated and doesn't require the user to intervene

## Auto-backup/restore

The auto backup/restore feature is probably the most striking feature that eScan has. The basic functionality of this is to create backups of critical files that correspond to the Windows OS. So in the event of an infection the auto backup and restore kicks in and restores critical OS related files that are infected or damaged. This whole process is automated and requires no user intervention.

## eScan Remote Support

Unlike our competitors eScan comes bundled with a special feature called eScan Remote Support. This module basically allows our support team to remotely connect and troubleshoot eScan related issues. The USP of this feature is that it allows most problems to be resolved remotely without having any support technician sent across. So as a user, you save a lot on time as the waiting period is almost negligible.

However, do keep in mind that this feature doesn't allow you – the user – to connect to our support department but will require you to call our support department and provide the Unique ID and Password that is generated. For security reasons the password is designed to change each time the eScan Remote Support is invoked.



## Virtual Keyboard

User privacy is of our highest concern – reason why eScan 11 features a virtual keyboard. The implementation of a virtual keyboard allows users to enter confidential information such as banking passwords, credit/debit card details without any fear of your online identity being stolen. So even if your system is compromised by an unknown keylogger/spyware, the username and password that is entered during login remains protected.

## Gaming mode

With the inclusion of the gaming mode users can now enjoy uninterrupted gameplay. Having said that, eScan v11 can now automatically switch to gaming mode once an application is run in full screen. For instance – this mode gets enabled the moment movies, games, PowerPoint presentations are run in full screen. In addition to this, as a user you also have the ability to enable this mode manually. This generally helps when you are in the midst of work that is of importance.

## File and Folder Protection

We are all are paranoid about losing important data. However there are a number of ways in which data can be lost – the first would include corruption of files in the event of a virus attack, the second would be the deletion of a particular file or folder which could happen knowingly or unknowingly. To prevent data loss, eScan comes with a special feature called 'Folder Protection'. Once a folder is specified the module prevents any further modifications from being made. This safeguards important data from corruption in the event of an infection. In addition the module also prevents deletion and creation of files within specified folders.

## Bootable Rescue CD

Not only do we provide a bootable CD (eScan installation disk) but the program also allows you to create a bootable rescue disk. This helps in eradicating pests such as Viruses, Trojans, Rootkits, Bots, etc. that at times are difficult to remove with the Windows OS loaded. The file can either be downloaded using eScan's built-in download manager or you have the choice of downloading the file using a third-party download tool.

## Automatic Installation of Windows Critical Security Patches

A salient feature that our product implements is the vulnerability patching of the Windows Operating System. OS Vulnerabilities are the first cause of concern as most hackers scan for loopholes that allow them to bypass already implemented security settings. The implementation of OS patching in eScan 11 allows the application to directly connect to Microsoft's website and download only critical hotfixes and updates for the OS. This whole process is automated and doesn't require user intervention. So as a user you can be rest assured that your OS stays patched and secured from critical Windows related security vulnerabilities.

## Malware URL Filter

With social networking on the rise, malware writers are using sites such as Facebook and Twitter as a platform to infect PCs via malicious websites/URLs. To help prevent this, eScan 11 features a malware URL filter that prevents access to infected sites.

## Restore Windows Default Settings

Users can eliminate modifications made to their desktop and background settings in the event of a virus attack. This is made possible by accessing the Restore Windows Default Settings via the Tools menu. Once activated, eScan automatically performs a virus check and then sets the system variables to their default values.

## Laptop battery power saving mode

eScan ISS v11 now features a power saving mode that increases the run-time of laptops when in battery mode. So whenever this change is detected the application prevents system intensive process such as scheduled scans from running in the background. This feature is totally automated and requires no user intervention.



## Advanced Self-Protection Feature

Malware not only have the potential of infecting a PC but are also capable enough to turn off or disrupt the on-access scanning module of an Anti-Virus. To prevent this, the installation path of eScan comes write-protected. This basically prohibits creation and even modification of installed files. To be more precise – only the product is capable of creating and modifying files.

## Grid-based Web Access/Timing

Users can eliminate modifications made to their desktop and background settings in the event of a virus attack. This is made possible by accessing the Restore Windows Default Settings via the Tools menu. Once activated, eScan automatically performs a virus check and th Apart from its Web Filtering/Parental Control module the program also allows you to define time restrictions. Here you can limit the number of hours that a particular user is allowed to access the web or you could simply block web access on certain days.

No other data or comparisons are available as the company hasn't taken part in the tests carried by any of the testing bodies. en sets the system variables to their default values.