



# eScan<sup>TM</sup>

Anti-Virus & Content Security

## HOME USER PRODUCTS USPs

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### **eScan Security Network (Cloud Technology – detects new and unknown threats)** NEW!

eScan Security Network is a state-of-the-art technology implemented in the latest versions of eScan SOHO products. When it comes to new malware, it ensures a prompt response and an advanced level of detection that provides superior protection.

### **Proactive Behaviour Monitoring** NEW!

With new Proactive Behaviour Monitoring technology and highly sophisticated Heuristics Algorithms, eScan effectively scans and detects unknown malware that are continuously released by malware writers. It also detects and warns users about applications that behave in a suspicious manner, thus providing protection from Zero-Day threats.



### **MicroWorld Winsock Layer Protection**

MicroWorld-WinSock Layer (MWL) is a revolutionary concept scanning Internet traffic on a real-time basis. It resides on the Winsock Layer of the Operating System and scans all the incoming and outgoing traffic from and to the Internet. It checks content for security violations and passes all the clean data packets to the application layer, whereas blocks the rest.

MWL that is placed above the WinSock layer, in other words, acts as a 'Transparent Gatekeeper'. All the data packets coming on relevant TCP / IP ports are assembled and decoded, be it e-mail, web, FTP or ICQ traffic. The decoding logic divides the data into body and attachments and passes the same through numerous filters such as Virus Filters, Content Filters, Attachment Filters, etc. These filters check validity of the content and depending on the results of the validation; the packets are either accepted or discarded. The user is also notified of any packet drops, using dynamic notifications.

### **File and Folder Protection**

eScan includes the folder protection feature that helps users protect specific files and folders from being modified or deleted. The main advantage of this feature is that it prevents the specified files from being infected by malicious software such as Sality and Virut.



### **eScan Web Safe** NEW!

Experiencing a good digital life is made easier with the new eScan Web Safe feature that helps in identifying websites you can trust for safe surfing and shopping, based on the experiences of millions of users all around the world.

### Identity Protection **NEW!**

Protect yourself from being a victim of Identity theft and efficiently protect sensitive personal information, such as credit card numbers, mobile numbers or passwords. Identity Protection feature will only protect information that you have defined.



### Auto-back/Restore of critical files

eScan provides the feature of auto-backup/restore of critical OS and application files. The auto-backup becomes important, if a new variant of a file infector (such as Virut, Virtob or Sality) infects the system.

### Comprehensive protection with virtual keyboard

The virtual keyboard has been designed to protect your confidential information from being stolen by malicious malware such as Keyloggers or Rootkits. The user interface of eScan's virtual keyboard simulates the user's keyboard and acts as a secure mechanism for the user to enter sensitive and confidential information, without any fear of data theft.



### Whitelisting Technology

eScan provides the 'Whitelisting' feature for applications wherein, users can allow access to a certain list of whitelisted applications. When this feature is enabled, all applications other than the ones mentioned in the list will be blocked. This will not only reduce unnecessary bandwidth usage within the network, but also increase employee productivity.

### Malware URL filter

eScan's Malware URL Filter blocks access to malicious web sites / URL's browsed by the user. As soon as the URL is allowed, it will be checked for suspicious scripts or threats. If it detects any suspicious behavior, user gets a message that the malware URL is blocked, and threat is prevented. Again, this works in conjunction with eScan Security Network.

Whenever a new malware site is found, the data gets collected on eScan Cloud after analyzing the data the information gets available globally and eScan is equipped to prevent further attacks with latest information. To prevent frequent online queries, local database is maintained and synchronized for any changes periodically.



### Anti-Phishing Filter

Phishing has grown in complexity in the last couple of years. Hosting of malware on legitimate sites by rewriting bits of code is all that it takes to infect unsuspecting users. To help curb this growing threat, eScan comes with both-static and dynamic phishing filter. Both filters work in tandem that protect users from accessing sites that host malware, irrespective of whether the site is legitimate (in the event of a hack) or not. The static filter works by referring to a predefined set of policies that come with every update. The dynamic filter, on the other hand checks all known and unknown links by making use of our eScan Security Network.





### Battery / Laptop Mode

eScan includes the Laptop Mode feature that provides unmitigated battery time on laptops. When this feature is enabled and Laptop is running on battery, eScan automatically detects this change and prevents memory intensive processes such as scheduled scans from running. eScan's Real-time protection remains active even on the Laptop Mode.

### Auto-detection of Gaming / Video Mode

eScan provides auto-detection of gaming mode / video mode. Whenever a user runs a game on a computer or watches a video in full screen mode, eScan will automatically enable the gaming mode, which will prevent eScan alerts and notifications from being displayed, thus providing an uninterrupted and seamless entertainment to the user.



### eScan Rescue Mode

**NEW!**

eScan Rescue Mode allows the user to boot into a secure environment during system startup without using any optical media. It uses Windows®-based environment that not only helps you to scan and clean the system but also allows you to fix registry changes made by viruses and Rootkits.

### Enhanced Self Protection

Some new generation malware try to infect computers by deactivating the Anti-Virus software running on them. They try to achieve this by either disabling the Anti-Virus software or by deleting critical files that are necessary for running the Anti-Virus software. The enhanced Self Protection feature of eScan prevents malware from either disabling eScan or deleting its critical files, thus keeping computers safe from infections.



### Endpoint Security

Application Control and Device Control are two modules of eScan's Endpoint Security feature. This module protects your computer or Endpoints from data thefts and cyber threats through USB or FireWire-based portable devices. Device control and Application control provides whitelisting and device authentication, so that users can 'disallow' untrusted devices from accidentally infecting their systems.

### USB Vaccination **NEW!**

eScan can vaccinate USB based storage devices that will protect your computer from Malware that spread through USB devices, as the eScan Vaccinated devices cannot get infected with Autorun Type of viruses.





### **Prevention from Network-based Attacks** NEW!

The inbuilt Firewall of eScan has been enhanced for seamless integration with your operating system. In addition, it includes the 'Network Traffic Monitor' that monitors both-incoming and outgoing network activities and protects it from all types of network-based attacks.

### **Secure Delete** NEW!

With eScan Secure Delete, the user can now permanently delete files and folders without the fear of having them retrieved through the use of third-party applications, thus preventing misuse of personal information.



### **Vulnerability Scanner** NEW!

Accurately identifies weaknesses in your network and applications, looks for errors, tests the system for the occurrence of these errors and generates report. This report can be used to fix the system security. It also checks the vulnerability of the softwares' installed on your computer

### **Disk Defragmenter** NEW!

This feature reduces the time taken to read / write files and system startup, hence improves your system's performance



### **OS vulnerability checks** NEW!

eScan is the only product which automatically downloads these critical Operating System updates (from Microsoft ®) and patches the vulnerabilities. eScan users can also manually download the latest critical Operating System Hotfixes through the eScan Protection Center.

### **eScanAV Anti-Virus Toolkit**

eScan is powered by the awarding winning eScanAV Anti-Virus Toolkit (MWAV) scan engine that is even being used by Anti-Virus support personnel worldwide to scan and clean infected computers that do not have eScan protection.



### **Virus Scanning in safe mode**

There are certain types of Rootkits that, in spite of being detected, are difficult to remove in the normal mode. Usually, these hidden Malware would hook themselves to OS files and hence are difficult to disinfect in normal mode. eScan comes with an ability to scan and clean such malware even in safe mode.

### Installation in safe Mode **NEW!**

When malware such as Rootkits does not allow installation of Security products in Windows Normal mode, users can install eScan using Windows Safe mode to secure their systems from cyber threats.



### Lowest memory usage

In our never-ending quest to provide the most effective and user-friendly Anti-Virus and Content Security Software in the market, we have drastically decreased the memory consumption of eScan. Thus, eScan has one of the lowest memory-footprints amongst all Anti-Virus products and currently is one of the 'lightest' program of its kind in the market.

### Protection from accidental detections of operating system files (False-positives)

eScan maintains a separate signature database of genuine clean files, which it refers to before taking any action on a suspicious or infected file. This prevents important operating system files from being flagged and deleted as malware such as the recent cases of some Anti-Virus products that deleted critical OS files that resulted in massive outages worldwide.



### Efficient eScan Remote Support

eScan provides the free remote support facility, integrated in the software to help customers get their malware-related issues resolved in the fastest possible time-frame. eScan technical support representatives can troubleshoot virus-related issues on your computer through a remote connection to your computer.