PC Matic Home Security

Anti-Virus Comparative

PC Matic PC Pitstop SuperShield 2.0

Language: English
September 2016

Last Revision: 29th November 2016

www.av-comparatives.org

Commissioned by PC Matic

Introduction

This report has been commissioned by PC Matic.

We found PC Matic PC Pitstop very easy to install. The wizard allows the user to change the location of the installation folder and the placing of shortcuts, but the average user only needs to click *Next* a few times. The program can be started as soon the setup wizard completes.

A Different Approach

PC Matic approaches security differently than traditional security products. PC Matic relies mainly on a white list to defeat malware; this can lead to a higher number of false alarms if users have files which are not yet on PC Matic's whitelist. Unknown files are uploaded to PC Matic servers, where they get compared against a black- and white list (signed and unsigned).

By default, PC Matic SuperShield only blocks threats and unknown files on-execution, but does not remove/quarantine them.

Additional features

In addition to malware protection, PC Matic also provides system maintenance and optimization features. These include checking for driver updates, outdated programs with vulnerabilities, erroneous registry entries and disk fragmentation. A single scan can be run which checks not only for malware, but also for any available system optimization opportunities.

Tested products

The tested products have been chosen by PC Matic. We used the latest available product versions and updates available at time of testing (August and September 2016).

- AVG Internet Security 2016
- Avira Antivirus Pro 15.0
- Bitdefender Internet Security 20.0
- ESET Smart Security 9.0
- iolo System Shield 5.0
- Kaspersky Internet Security 2017
- MalwareBytes Anti-Malware Premium 2.2
- McAfee Internet Security 18.0
- Panda Free Antivirus 16.1
- PC Matic PC Pitstop SuperShield 2.0
- Sophos Endpoint Security and Control 10.6
- ThreaTrack Vipre Internet Security Pro 9.3
- TotalDefense AntiVirus 9.0
- Trend Micro Internet Security 10.0
- Webroot SecureAnywhere 9.0

Test

The test has been performed under Windows 10 64-bit English in August and September 2016.

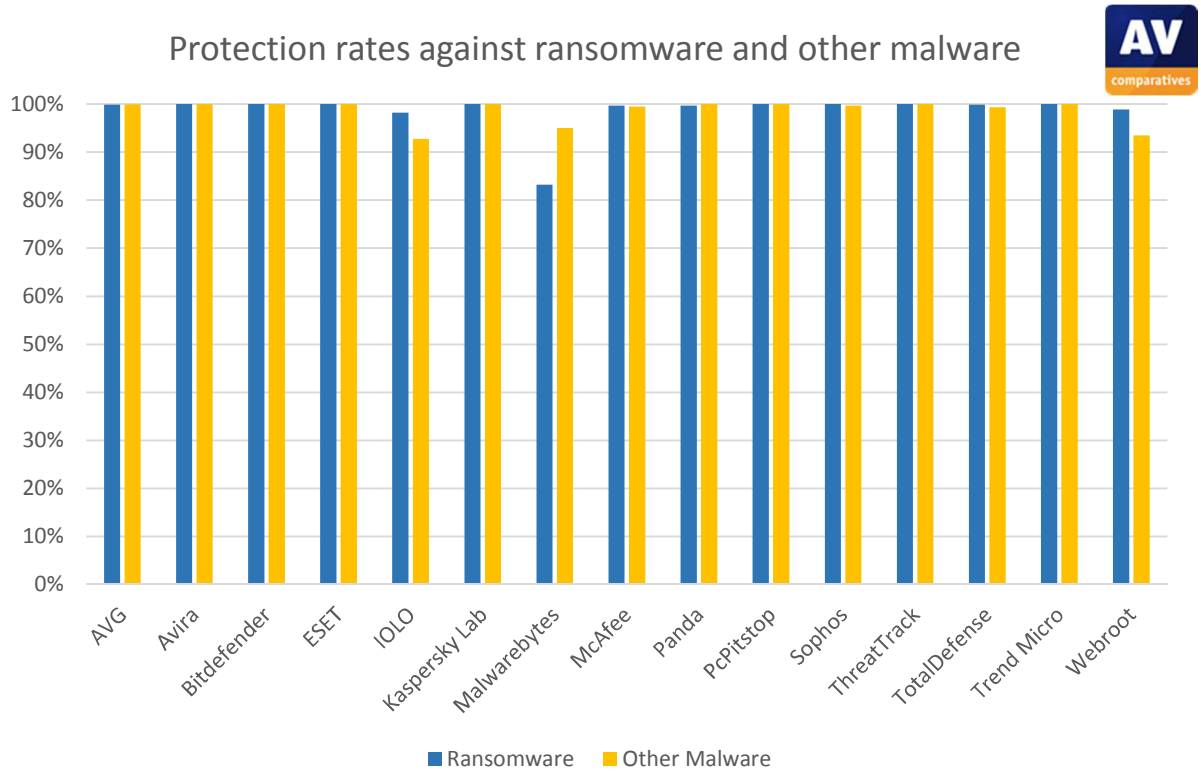
The test sets consisted of **1000** recent ransomware samples and **4000** other malware samples. None of the samples were submitted to VirusTotal at time of testing. All products were tested with cloud connection and the samples were **executed** using AV-Comparatives' Real-World-Testing Framework.

For the false alarm test, **500** clean files have been executed.

	# of samples in test-set
Ransomware	1000
Other malware	4000
Clean files	500

Results

The chart below shows the protection rates against the used ransomware and other malware samples.



	Ransomware (1000 samples)	**Other Malware** (4000 samples)
AVG	99,9%	99,9%
Avira	100%	100%
Bitdefender	100%	100%
ESET	100%	100%
IOLO	98,2%	92,7%
Kaspersky Lab	100%	100%
Malwarebytes	83,2%	95,0%
McAfee	99,7%	99,5%
Panda	99,7%	100%
PC Pitstop	100%	100%
Sophos	100%	99,7%
ThreatTrack	100%	100%
TotalDefense	99,9%	99,3%
Trend Micro	100%	100%
Webroot	98,9%	93,5%

False Alarm Test

During the false alarm test, in which **500** clean applications have been **executed**, only three products had false alarms. The table below shows the prevalence of the encountered FPs:

	Very low	Low	Medium	High	FP rate
AVG	-	-	-	-	**none**
Avira	-	-	-	-	**none**
Bitdefender	-	-	-	-	**none**
ESET	-	-	-	-	**none**
IOLO	-	-	-	-	**none**
Kaspersky Lab	-	-	-	-	**none**
MalwareBytes	-	-	-	-	**none**
McAfee	-	-	-	-	**none**
Panda	19	8	5	1	**low**
PC Pitstop	34	337	9	1	**very high**
Sophos	-	-	-	-	**none**
ThreatTrack	-	-	-	-	**none**
TotalDefense	-	-	-	-	**none**
Trend Micro	-	5	-	-	**very low**
Webroot	-	-	-	-	**none**

PC Pitstop had a very high FP rate in this test, but they are working on that problem and are happy that AV-C helps them to find further bugs and to improve their product.

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For more information about AV-Comparatives and the testing methodologies, please visit our website.

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