

Comparative Analysis of System performance in different Security Products:

System Environment:

Processor: Intel Pentium 4 CPU 3.00 GHz

RAM: 256MB

OS: Microsoft Windows XP with Service Pack 2

Test Description:

A folder of 1.28 GBytes was copied from one folder location to another folder with the command line copy option. The copy start time and end time was recorded to measure the time taken to copy the files in the folder. The time recorded below is on Milliseconds. The time overhead is calculated based on Clean System timing.

Table 1 Datasheet for Comparison of Different Security Products

Security Products Installed in the System	Average time (over 12 runs) (in milliseconds)	Time Overhead (compared to clean system)
Clean System	96931	0
AVG Antivirus Free Edition	120010	23079
Norton Antivirus 2009	113562	16631
Eset Smart Security	111629	14698
BitDefender Free Edition v10	114098	17167
McAfee Security Center	112150	15219
Panda Antivirus	118655	21724
Avira Antivirus	109673	12742
Kaspersky Antivirus 2009	115802	18871
XenCare SoftLock 2.0	100539	3608

Table 2 Comparative Overhead Analysis

