

Intel® Security Driver

Production Release V1.03.001

Release Notes

9/05/00

Microsoft Windows* 95*
Microsoft Windows* 98*
Microsoft Windows* 98 Second Edition*
Microsoft Windows* NT* 4.0*
Microsoft Windows* 2000*
Microsoft Windows* ME*

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Notice: The Intel® Security Driver Software may contain design defects or errors described as "known issues" which may cause the product to deviate from expected performance. Current characterized known issues are documented in this update.

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Revision History

Date	Driver Revision	Operating System	Draft/Changes
September 05, 2000	Production Release V1.03.001	Same as below	Update to Contents Section and Product Information
May 18, 2000	Production Release V1.02.004	Same as below	Updated Overview and Files Included
April 26, 2000	Production Candidate V1.02.001	Same as below	Update to Product Information
March 29, 2000	Beta Release 2.0 V1.01.005	Microsoft* Windows* 95 Microsoft* Windows* 98 Microsoft* Windows* 98 Second Editon Microsoft* Windows* 2000 Microsoft* Windows* NT* 4.0 Microsoft* Windows* ME	Update to Product Information and Known Issues

Overview

The Intel® Security Driver is a device driver that returns truly random and indeterministic values from a silicon-based device called the Firmware Hub (FWH), which harnesses resistor thermal noise to generate these values. The benefit/value of the security driver is improved cryptography and security via the FWH's hardware (HW) Random Number Generator (RNG).

Some common uses for the Security Driver include the following:

- Key Generation
- Security Protocols
- Random Challenges
- Session Keys
- Installation Uniqueness/Copy Protection

This version of the Intel Security Driver is being released as a Production driver.

Files Included

1. DATA.TAG
2. data1.cab
3. ISD.CAT
4. lang.dat
5. layout.bin
6. os.dat
7. Readme.txt
8. SETUP.EXE
9. SETUP.INI
10. setup.ins
11. setup.iss
12. setup.lid
13. _INST32I.EX_
14. _ISDEL.EXE
15. _SETUP.DLL
16. _sys1.cab
17. _user1.cab
18. Version.txt
19. data1.hdr
20. _sys1.hdr
21. _user1.hdr

Build Packaging and Contents

Component	Filename	Version
Windows Device Driver	ISECDRV.SYS	v1.0.1.13
Driver INF	ISD_WDM.INF	v1.0.1.13
SelfTest Application	SelfTest.exe	v1.0.1.13
Release Notes	relnotes.*	v1.03.001
Version Info	Version.txt	v1.03.001

Production Release V1.03.001 Release Notes

1. Features Added

a. In Production Release V1.03.001

Features Added	
ID	Information
1	The CAT files are external to the Installshield* package and have been moved to Disk 1 of distribution disk set.
2	Added additional command line parameters. Please refer to the readme.txt for information on the additional command line parameters.
3	Added support for the Windows ME operating system. New feature includes digital signature certification for Windows ME.

b. In Production Release V1.02.004

Features Added	
ID	Information
1	No new features added to this release

c. In Production Candidate V1.02.001

Features Added	
ID	Information
1	The InstallShield* UI and the Readme.txt file has been localized in 21 languages

d. In Beta Release 2.0, V1.01.005

Features Added	
ID	Information
1	Documentation update to reference complete chipset support.
2	Inclusion of localized license agreement
3	The InstallShield* UI has been localized in 21 languages

2. Issues Resolved

a. In Production Release V1.03.001

Issues Resolved	
ID	Information
1	Added additional command-line flag support
2	Added support for the Windows* ME operating system.

b. In Production Release V1.02.004

Issues Resolved	
ID	Information
1	No issues were resolved with this release

c. In Production Candidate V1.02.001

Issues Resolved	
ID	Information
1	Removed all extraneous registry entries that referenced the Intel Security Driver as ISECDRV.

d. In Beta Release 2.0, V1.01.005

Issues Resolved	
ID	Information
1	Installation failure when Windows* 2000 is not installed under ACPI mode
2	Uninstall of the Intel Security Driver/Yellow Bang Issue

3. Testing Suggetions for This Release

Testing Suggestions	
Information	
No testing suggestions for this release.	

4. Known Issues

a. Definition/Description

Known Issues
Information
Known Issues are software issues/sightings that Intel has encountered during software validation. These known issues have been replicated, and Intel is currently seeking the root causes of the issues.

b. Summary

Known Issues
Information
The following table lists the known issues or replicated sightings that apply to all currently available Intel Security Driver releases and planned releases. Intel intends to handle the outstanding issues through documentation or specification changes, as noted. This table uses the following notations

c. Codes Used in Summary Table

Known Issues	
ID	Information
X	This issue pertains to a particular software release and may pertain to releases preceding the indicated release.
Fix	This known issue is to be fixed in a future release of the software.
Fixed	This known issue is fixed in the current software release.
No Fix	There are no plans to fix this known issue in a future software release.
Eval	Plans to fix this known issue are under evaluation.
NDR	Not related to the current driver and/or BIOS
N/A5	Not applicable

d. Summary Table

Known Issues				
Information				
No.	BugID	V1.03.001	Future Plans	Issue
1	N/A	X	Fix	Localized Windows* 2000 OS Support
2	N/A	X	Fix	"-l" command-line parameter

e. Issue Details

Known Issues	
ID	Information
1	Localized Windows* 2000 OS Support: The Intel(r) Security Driver does not successfully install under the Microsoft* Windows 2000 Finnish or Microsoft Windows 2000 Russian operating systems. No workarounds currently exist.
2	The "-I", IGNORE command-line parameter does not function on Windows ME or Windows 2000 due to implementation of Driver Signing controls.