Intel® Chipset Device Software

10.1.18768.8273

Release Notes

August 2021

Intel Confidential

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Revision History

Date	Revision	Description
August 2021	1.0	MR1 Release

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1.0 *Introduction*

This release notes provides information for the Intel® chipset driver binary packages for the Microsoft Windows* 10 64-bit operating system.

1.1 Acronyms and Terminology

Table 1. Terminology

Term	Description
BKC	Best-Known Configuration
ODM	Original Design Manufacturing
OEM	Original Equipment Manufacturing
OS	Operating System

1.2 Intended Audience

This document is intended for OEMs and ODMs that are enabling drivers with the Intel Atom® x6000E Series processors, and Intel® Pentium® and Celeron® N and J Series processors.

1.3 Customer Support

Contact your Intel representative for support or submit an issue to Intel® Premier Support:

http://premiersupport.intel.com.

1.4 Reference Documents

Log in to the Resource and Design Center (www.rdc.intel.com) to search for and download the document numbers listed in the following table. Contact your Intel field representative for access.

Note: Third-party links are provided as a reference only. Intel does not control or audit third-party benchmark data or the web sites referenced in this document. You should visit the referenced web site and confirm whether the referenced data are accurate.

Table 2.   Reference Documents

Document	Document No./Location
Best-Known Configuration (BKC) for Microsoft Windows* 10 RS5 (64-bit) OS on Intel Atom® x6000E Series Processors, Intel® Pentium® and Celeron® N and J Series Processors	616386

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2.0   Release Summary

2.1   Hardware and Software Compatibility

This release is compatible with the following hardware:

- Intel Atom® x6000E Series, and Intel® Pentium® and Celeron® N and J Series processors

This release supports the following operating system:

- Microsoft Windows* 10 64-bit RS5 operating system

2.2   Intel® Chipset Device Software Support

Driver version	Minor version	Description (Supported Products)
10.1.43	5	11th Gen Intel® Core™ (Tiger Lake)
10.1.42	8	Intel® VT-d Registers Intel® RAS Registers Intel® Mesh 2 PCIe Registers Intel® PMON MSM Registers Intel® MSM Registers Intel® NTB Registers Intel® DDRIO Host Config Registers Intel® CHA ALL0 Registers Intel® CHA ALL1 Registers
10.1.41	5	11th Gen Intel® Core™ (Rocket Lake)
10.1.34	10	Intel® 500 Series Chipset Family (Tiger Lake PCH-H)
10.1.33	5	Intel® 400 Series Chipset Family
10.1.32	3	Intel® LPC Controller Intel® P2SB Intel® PMC Intel® SPI (flash) Controller Intel® PCI Express Root Port Intel® Shared SRAM
10.1.31	2	Intel® 400 Series Chipset Family

10.1.30	3	10th Gen Intel® Core™ (Comet Lake)
10.1.29	4	Intel® LPC Controller Intel® P2SB Intel® PMC Intel® SPI (flash) Controller Intel® PCI Express Root Port Intel® Shared SRAM
10.1.28	2	Intel® LPC Controller Intel® P2SB Intel® PMC Intel® SPI (flash) Controller Intel® PCI Express Root Port Intel® Shared SRAM
10.1.27	4	Intel® On-Package Platform Controller Hub
10.1.25	5	Intel® LPC Controller Intel® P2SB Intel® PMC Intel® SPI (flash) Controller Intel® PCI Express Root Port Intel® Shared SRAM
10.1.24	5	Mobile 11th Gen Intel® Core™ Processor Family
10.1.22	3	Intel® 495 Series Chipset Family
10.1.20	3	10th Gen Intel® Core™
10.1.16	7	Intel® 300 Series Chipset Family
10.1.16	7	Intel® C240 Series Chipset Family
10.1.15	6	Mobile 8th Gen Intel® Core™ Processor Family
10.1.14	8	8th Gen Intel® Core™
10.1.13	3	Intel® Celeron®/Pentium® Processor
10.1.12	3	Intel® 495 Series Chipset Family
10.1.11	4	Intel® 200 Series Chipset Family
10.1.11	4	Intel® 300 Series Chipset Family

10.1.10	5	Intel® Xeon® processor E3-1200 v6 product family
10.1.10	5	7th Generation Intel® Core™ processor family
10.1.7	3	Intel® Xeon® processor E3-1500 v5 product family
10.1.7	3	Intel® Xeon® processor E3-1200 v5 product family
10.1.7	3	6th Generation Intel® Core™ processor family
10.1.6	2	Intel® 100 Series chipset
10.1.6	2	Intel® C230 series chipset family
10.1.5	3	7th Generation Intel® Core™ processor family
10.1.5	3	6th Generation Intel® Core™ processor family

2.3 New Features

Features Added in Build 10.1.18793.8273	
ID	Description
1	None
Features Added in Build 10.1.18739.8272	
ID	Description
1	None
Features Added in Build 10.1.18711.8263	
ID	Description
1	None
Features Added in Build 10.1.18698.8258	
ID	Description
1	[10.1.43.3] made public
Features Added in Build 10.1.18634.8254	
ID	Description

1	[10.1.34.8] made public

Features Added in Build 10.1.18614.8253	
ID	Description
1	[10.1.42.7] Changed platform name to Server_Common;

Features Added in Build 10.1.18593.8250	
ID	Description
1	[10.1.41.5] made public

Features Added in Build 10.1.18460.8229	
ID	Description
1	[10.1.24.5] made public

Features Added in Build 10.1.18412.8219	
ID	Description
1	None

Features Added in Build 10.1.18383.8213	
ID	Description
1	[10.1.12.3] certified for 20h1
2	[10.1.14.8] certified for 20h1
3	[10.1.20.3] certified for 20h1
4	[10.1.22.3] certified for 20h1
5	[10.1.27.4] certified for 20h1
6	[10.1.28.2] certified for 20h1
7	[10.1.30.3] certified for 20h1
8	[10.1.31.2] certified for 20h1
9	[10.1.33.3] certified for 20h1

Features Added in Build 10.1.18340.8203	
ID	Description
1	none

Features Added in Build 10.1.18295.8201	
ID	Description
1	[10.1.28.2] made public

2	[10.1.5.3] certified for 19h2
3	[10.1.10.5] certified for 19h2
4	[10.1.14.8] certified for 19h2
5	[10.1.30.3] added 9B54, and 9B64. Certified for 19h2
Features Added in Build 10.1.18267.8194	
ID	Description
1	[10.1.20.3] added
2	[10.1.22.3] added
Features Added in Build 10.1.18263.8193	
ID	Description
1	[10.1.30.2] Made public, certified.
2	[10.1.31.2] Made public, certified, updated SKUs for LPC Controller devices.
3	[10.1.33.3]Updated SKUs for LPC Controller devices.

2.4   Installer Updates

Changes in Installer Version 3.1.7.143	
ID	Description
1	none
Changes in Installer Version 3.1.7.131	
ID	Description
1	none
Changes in Installer Version 3.1.7.130	
ID	Description
1	none
Changes in Installer Version 3.1.7.128	
ID	Description
1	MUP3.0 support
Changes in installer Version 3.1.7.127	
ID	Description

1	Make extension infs install by installer - change logic to install many infs for single HWID with restriction: inf files must be from different folders.

Changes in Installer Version 3.1.7.121	
ID	Description
1	Removed supported platform list from readme
2	Programs and Features (ARP) entry for Chipset INF will always have English product name. Before name was localized during installation and looked bad when OS changed display language.

Changes in Installer Version 3.1.7.120	
ID	Description
1	Readme.txt shows Package version and Installer version

Changes in Installer Version 3.1.7.118	
ID	Description
1	Update MUP.xml file with error code 350 mapped to REBOOT_UPDATE_PENDING

Changes in Installer Version 3.1.7.117	
ID	Description
1	Added Fix for CVE-2019-14596

Changes in Installer Version 3.1.7.107	
ID	Description
1	Added -ignoreId switch
2	Updates in custom action logging

Changes in Installer Version 3.1.7.100	
ID	Description
1	fixed NDA readme file installed by Public package, now Public package installs correct readme file.

Changes in Installer Version 3.1.7.99	
ID	Description
1	Fixed "the messy code is displayed during install chipset on Arabic OS"

Changes in Installer Version 3.1.7.98	
ID	Description

1	CSVer.dll removed from package
2	Security fixes
3	MUP extract and extract functions fixed
4	Added Add Remove Programs entry function
5	Added uninstall functionality, does not uninstall drivers – only package contents (license, readme, registry keys, AddRemove programs entry)
6	Installation fails with known error code on unsupported platfrom

Changes in Installer Version 3.1.7.90

ID	Description
1	MUP packages have DriverFiles folder complying to MUP path requirements - \production\<os_name>-<os_arch> Also supports Windows 10S requirement (raw driver files in package)
2	Supports Windows10S requirement (raw driver files in package)
3	MUP 2.4.5 compliant
4	Please note WiX framework used to build installer got updated to 3.11.1 which contains security fixes

Changes in Installer Version 3.1.7.89

ID	Description
1	Tweaked previous fix implementation for: Thunderbolt [TBT] power flow issue while re-applying PCIe controller inbox – added devcon disable/enable functionality Before inf installation devcon is used to: • disable root TBT devices (device IDs as found in table in HSD – device parent must not be a TBT device), • task is scheduled in Task Scheduler, • task runs on OS startup and uses devcon to enable the same root TBT device, then the task removes itself. –devcon switch, usage example –devcon c:\tools\devcon.exe Note: Without an externally supplied devcon, the function won't work.

Changes in Installer Version 3.1.7.88

ID	Description
1	Thunderbolt [TBT] power flow issue while re-applying PCIe controller inbox – added devcon disable/enable functionality • Before inf installation devcon is used to disable TBT devices , then a task is scheduled in Task Scheduler; task runs on OS startup and uses

	devcon to enable the same devices twice with timeout in-between, then the task removes itself. • –devcon switch, usage example –devcon c:\tools\devcon.exe without an externally supplied devcon the function won't work • –devcontimeout switch, usage example –devcontimeout 10 sets how long to wait in seconds in-between enables
Changes in Installer Version 3.1.7.86	
ID	Description
1	Added –exclude switch - '–exclude usb' will not install any inf file that has USB in it's name