

# **Intel® Chipset Device Software**

## **10.1.18121.8164**

### **Release Notes**

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***Intel Confidential***  
***Nov 28th, 2019***

**Microsoft Windows\* 10 x86(only for Intel® Atom™ / Celeron®/  
Pentium® Processor)**  
**Microsoft Windows\* 10 x64**  
**Microsoft Windows\* Server 2019 x64**  
**Microsoft Windows\* Server 2016 x64**  
**Microsoft Windows\* Server 2012R2 x64**

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## Revision History

Date	Driver Revision	Description	Build Number
Nov 24, 2019	10.1.18228.8176	PV	18228.8176
Aug 15, 2019	10.1.18121.8164	PV	18121.8164
May 7, 2019	10.1.18019.8144	PV	18019.8144
May 2, 2019	10.1.18015.8142	PV	18015.8142
Apr 26, 2019	10.1.18010.8141	PV	18010.8141
Apr 11, 2019	10.1.17996.8138	PV	17996.8138
Mar 16, 2019	10.1.17969.8134	PV	17969.8134
Mar 15, 2019	10.1.17968.8131	PV	17968.8131
Jan 9, 2019	10.1.17903.8106	PV	17903.8106
Jan 7, 2019	10.1.17883.8104	PV	17883.8104

## Intel® Chipset Device Software Support

Driver version	Minor version	Description (supported products)
10.1.19	1	Intel(R) Atom(TM) Processor C3000 product family
10.1.16	7	Intel(R) 300 Series Chipset Family
10.1.16	7	Intel(R) C240 Series Chipset Family
10.1.15	6	Intel(R) 300 Series Chipset Family
10.1.14	7	8th Gen Intel(R) Core™
10.1.13	3	Intel(R) Celeron(R)/Pentium(R) Processor
10.1.11	4	Intel(R) 200 series chipset family
10.1.11	4	Intel(R) 300 series chipset family
10.1.10	4	Intel(R) Xeon(R) processor E3-1200 v6 product family
10.1.10	4	7th Generation Intel(R) Core(TM) processor family

10.1.9	2	Intel(R) C620 series chipset
10.1.8	6	Intel(R) Xeon(R) processor P family
10.1.7	3	Intel(R) Xeon(R) processor E3-1500 v5 product family
10.1.7	3	Intel(R) Xeon(R) processor E3-1200 v5 product family
10.1.7	3	6th Generation Intel(R) Core(TM) processor family
10.1.6	2	Intel(R) 100 Series chipset
10.1.6	2	Intel(R) C230 series chipset family
10.1.5	2	7th Generation Intel(R) Core(TM) processor family
10.1.5	2	6th Generation Intel(R) Core(TM) processor family
10.1.4	4	5th Gen Intel(R) Core(R) i7 processor product family
10.1.4	4	Intel(R) Atom(TM) Processor C3000 product family
10.1.4	4	Intel(R) C610 series chipset
10.1.4	4	Intel(R) C600 series chipset
10.1.4	4	Intel(R) C240 series chipset family
10.1.4	4	Intel(R) C230 series chipset family
10.1.4	4	Intel(R) C220 series chipset family
10.1.4	4	Intel(R) C200 series chipset family
10.1.4	4	Intel(R) 300 series chipset family
10.1.4	4	Intel(R) 100 series chipset family
10.1.4	4	Intel(R) X99 chipset family
10.1.4	4	Intel(R) X79 series chipset family
10.1.4	4	Intel(R) 9 series chipset family
10.1.4	4	Intel(R) 8 series chipset family
10.1.4	4	Intel(R) 7 series chipset family

Note: 10.1.4 driver revision is for HECI device only

# New Features

## Features Added in Build 10.1.18228.8176

ID	Description
1	None

## Features Added in Build 10.1.18121.8164

ID	Description
1	None

## Features Added in Build 10.1.18019.8144

ID	Description
1	[10.1.16] Added H310D

## Features Added in Build 10.1.18015.8142

ID	Description
1	[10.1.19] Certified for 19h1
2	[10.1.16] Certified for 19h1
3	[10.1.15] Certified for 19h1
4	[10.1.14] Certified for 19h1
5	[10.1.13] Certified for 19h1
6	[10.1.12] Certified for 19h1
7	[10.1.11] Certified for 19h1
8	[10.1.10] Certified for 19h1
9	[10.1.9] Certified for 19h1
10	[10.1.7] Certified for 19h1
11	[10.1.6] Certified for 19h1
12	[10.1.5] Certified for 19h1
13	[10.1.4] Certified for 19h1

## Features Added in Build 10.1.18010.8141

ID	Description
1	[10.1.12] Updated Description and made a public
2	[10.1.15] Updated Description and made a public

## Features Added in Build 10.1.17996.8138

ID	Description
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1	None
<b>Features Added in Build 10.1.17969.8134</b>	
ID	Description
1	[10.1.8.6] Added Device 7 devices 203A, 203D
2	[10.1.8.6] Added PCU Registers 2078, 207A

## Installer update

<b>Changes in Installer version 3.1.7.118</b>	
ID	Description
1	Update MUP.xml file with error code 350 mapped to REBOOT_UPDATE_PENDING
<b>Changes in Installer version 3.1.7.117</b>	
ID	Description
1	Added Fix for CVE-2019-14596
<b>Changes in Installer version 3.1.7.107</b>	
ID	Description
1	Added -ignoreId switch
2	Updates in custom action logging
<b>Changes in Installer version 3.1.7.100</b>	
ID	Description
1	fixed NDA readme file installed by Public package, now Public package installs correct readme file.
<b>Changes in Installer version 3.1.7.99</b>	
ID	Description
1	Fixed “the messy code is displayed during install chipset on Arabic OS”
<b>Changes in Installer version 3.1.7.98</b>	
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 programs entry)
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6	Installation fails with known error code on unsupported platform
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#### Changes in Installer version 3.1.7.90

ID	Description
1	MUP packages have DriverFiles folder complying to MUP path requirements - \production\ <os_name&gt;-&lt;os_arch&gt; </os_name&gt;-&lt;os_arch&gt;  Also supports Windows10S 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 function Before inf installation devcon is used to: <ul style="list-style-type: none"> <li>- disable root TBT devices (device IDs as found in table in HSD – device parent must not be a TBT device)</li> <li>- task is scheduled in Task Scheduler,</li> <li>- task runs on OS startup and uses devcon to enable the same root TBT device, then the task removes itself</li> </ul> –devcon switch, usage example –devcon c:\tools\devcon.exe <b>Note: without an externally supplied devcon the function won't work.</b>

#### 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 function <ul style="list-style-type: none"> <li>- Before inf installation devcon is used to disable TBT devices , then a task is scheduled in Task Scheduler uses devcon to enable the same devices twice with timeout in-between, then the task removes itself.</li> <li>- –devcon switch, usage example –devcon c:\tools\devcon.exe without an externally supplied devcon the function won't work</li> <li>- –devcontimeout switch, usage example –devcontimeout 10 sets how long to wait in seconds in-between enables</li> </ul>

#### Changes in Installer Version 3.1.7.86

ID	Description
1	Added –exclude switch <ul style="list-style-type: none"> <li>- ‘–exclude usb’ will not install any inf file that has USB in it's name</li> </ul>