Intel® High Definition Audio Driver November 2020 Security Update

Object name	comcon_win_genpc_c_hpsbhf03699_rev2_intel_HD_audio_driver_Nov_2020_security_update
GUID	GUID-0F148E2F-CE6B-45F4-A0D2-436A638E9632
Version	1

Intel has informed HP of a potential security vulnerability identified in some Intel® High Definition Audio drivers which may allow escalation of privilege. Intel is releasing software updates to mitigate this potential vulnerability.

Severity

Medium

HP Reference

HPSBHF03699 Revision history on page 7

Release date

November 10, 2020

Last updated

November 18, 2020

Category

PC

Potential Security Impact

Escalation of Privilege

Resolution on page 2

Additional information on page 7

Relevant Common Vulnerabilities and Exposures (CVE) List

Reported by: Intel

Source: HP, HP Product Security Response Team (PSRT)

Table 1 List of CVE IDs

CVE ID	Base Score	Base Vector
CVE-2020-12307	6.7	CVSS:3.1/AV:L/AC:H/PR:L/UI:R/S:U/C:H/I:H/A:H

Learn more about CVSS 3.1 base metrics, which range from 0 to 10.

PSR-2020-0221

Background

For a PGP signed version of this security bulletin please write to: hp-security-alert@hp.com

References

[INTEL-SA-00409 Intel® High Definition Audio Advisory](#): CVE-2020-12307; PSR-2020-0221

Resolution

Object name	comcon_win_genpc_e_hpsbhf03699_rev2_intel_HD_audio_driver_Nov_2020_security_update_resolution
GUID	GUID-F48D0ECF-1350-4563-96EE-E19D3509FF62
Version	1

Intel has released updates to mitigate the potential vulnerability. HP has identified affected platforms and corresponding SoftPaqs with minimum versions that mitigate the potential vulnerability. See the affected platforms listed below.

Newer versions might become available and the minimum versions listed below might become obsolete. If a SoftPaq Link becomes invalid, check the HP Customer Support - Software and Driver Downloads site to obtain the latest update for your product model.

HP recommends keeping your system up to date with the latest firmware and software.

NOTE: This bulletin may be updated when new information and/or SoftPaqs are available. Sign up for HP Subscriptions to be notified and receive:

- Product support eAlerts

- Driver updates

- Security Bulletin updates

SoftPaqs and affected products

Object name	comcon_win_genpc_c_hpsbhf03699_rev2_intel_HD_audio_driver_Nov_2020_security_update_SoftPaqs_affected_products
GUID	GUID-E823FA36-4632-4F20-B50B-4F5EC9D8F029
Version	1

Find the SoftPaq that resolves the vulnerability of your system. For certain platforms, HP includes the Intel® High Definition Audio Driver within the platform's audio driver package for Conexant or Realtek audio solutions.

SoftPaq Status

A status is provided if no SoftPaq is listed for a particular product.

- **Pending**: SoftPaq is in progress.

- **Under investigation**: System under investigation for impact, or the SoftPaq is under investigation for feasibility/availability.

- **Not available**: SoftPaq not available due to technical or logistical constraints.

- **Check Support Page:** The listed SoftPaq has been removed from the download site. SoftPaqs with newer versions may be available on the [HP Customer Support - Software and Driver Downloads](#) site.

Business Notebook PCs

Object name	comcon_win_genpc_r_hpsbhf03699_rev2_intel_HD_audio_driver_Nov_2020_security_update_business_NB_PCs
GUID	GUID-0B9C653C-E0B6-4FE0-BE41-04C156AA32DF
Version	1

Identify the affected business notebook PCs.

Table 2 Business Notebook PCs

Product Name	Minimum Version	SoftPaq #	SoftPaq Link
HP Elite x2 1012 G2	9.21.00.4561	SP109030	https://ftp.hp.com/pub/softpaq/sp109001-109500/sp109030.exe
HP Elite x2 1013 G3	9.21.00.4561	SP109035	https://ftp.hp.com/pub/softpaq/sp109001-109500/sp109035.exe
HP EliteBook 1040 G4	9.21.00.4561	SP109030	https://ftp.hp.com/pub/softpaq/sp109001-109500/sp109030.exe
HP EliteBook 1050 G1	9.21.00.4561	SP110234	https://ftp.hp.com/pub/softpaq/sp110001-110500/sp110234.exe
HP EliteBook 725 G4	9.21.00.4561	SP109030	https://ftp.hp.com/pub/softpaq/sp109001-109500/sp109030.exe
HP EliteBook 735 G5	9.21.00.4561	SP109035	https://ftp.hp.com/pub/softpaq/sp109001-109500/sp109035.exe
HP EliteBook 745 G4	9.21.00.4561	SP109030	https://ftp.hp.com/pub/softpaq/sp109001-109500/sp109030.exe
HP EliteBook 755 G4	9.21.00.4561	SP109030	https://ftp.hp.com/pub/softpaq/sp109001-109500/sp109030.exe
HP EliteBook 820 G4	9.21.00.4561	SP109030	https://ftp.hp.com/pub/softpaq/sp109001-109500/sp109030.exe
HP EliteBook 828 G4	9.21.00.4561	SP109030	https://ftp.hp.com/pub/softpaq/sp109001-109500/sp109030.exe
HP EliteBook 830 G5	9.21.00.4561	SP109035	https://ftp.hp.com/pub/softpaq/sp109001-109500/sp109035.exe
HP EliteBook 836 G5	9.21.00.4561	SP109035	https://ftp.hp.com/pub/softpaq/sp109001-109500/sp109035.exe
HP EliteBook 840 G4	9.21.00.4561	SP109030	https://ftp.hp.com/pub/softpaq/sp109001-109500/sp109030.exe
HP EliteBook 840 G5	9.21.00.4561	SP109035	https://ftp.hp.com/pub/softpaq/sp109001-109500/sp109035.exe
HP EliteBook 840 G5 Healthcare Edition	9.21.00.4561	SP109035	https://ftp.hp.com/pub/softpaq/sp109001-109500/sp109035.exe
HP EliteBook 840r G4	9.21.00.4561	SP109035	https://ftp.hp.com/pub/softpaq/sp109001-109500/sp109035.exe

Table 2 Business Notebook PCs (continued)

Product Name	Minimum Version	SoftPaq #	SoftPaq Link
HP EliteBook 846 G5	9.21.00.4561	SP109035	https://ftp.hp.com/pub/softpaq/sp109001-109500/sp109035.exe
HP EliteBook 848 G4	9.21.00.4561	SP109030	https://ftp.hp.com/pub/softpaq/sp109001-109500/sp109030.exe
HP EliteBook 850 G4	9.21.00.4561	SP109030	https://ftp.hp.com/pub/softpaq/sp109001-109500/sp109030.exe
HP EliteBook 850 G5	9.21.00.4561	SP109035	https://ftp.hp.com/pub/softpaq/sp109001-109500/sp109035.exe
HP EliteBook x360 1020 G2	9.21.00.4561	SP109030	https://ftp.hp.com/pub/softpaq/sp109001-109500/sp109030.exe
HP EliteBook x360 1030 G2	9.21.00.4561	SP109030	https://ftp.hp.com/pub/softpaq/sp109001-109500/sp109030.exe
HP EliteBook x360 1030 G3	9.21.00.4561	SP109035	https://ftp.hp.com/pub/softpaq/sp109001-109500/sp109035.exe
HP EliteBook x360 1040 G5	9.21.00.4561	SP109034	https://ftp.hp.com/pub/softpaq/sp109001-109500/sp109034.exe
HP Pro x2 612 G2	9.21.00.4561	SP109030	https://ftp.hp.com/pub/softpaq/sp109001-109500/sp109030.exe
HP ProBook 430 G4	9.21.00.4561	SP109030	https://ftp.hp.com/pub/softpaq/sp109001-109500/sp109030.exe
HP ProBook 430 G5	9.21.00.4561	SP109035	https://ftp.hp.com/pub/softpaq/sp109001-109500/sp109035.exe
HP ProBook 440 G4	9.21.00.4561	SP109030	https://ftp.hp.com/pub/softpaq/sp109001-109500/sp109030.exe
HP ProBook 440 G5	9.21.00.4561	SP109035	https://ftp.hp.com/pub/softpaq/sp109001-109500/sp109035.exe
HP ProBook 450 G4	9.21.00.4561	SP109030	https://ftp.hp.com/pub/softpaq/sp109001-109500/sp109030.exe
HP ProBook 450 G5	9.21.00.4561	SP109035	https://ftp.hp.com/pub/softpaq/sp109001-109500/sp109035.exe
HP ProBook 455 G4	9.21.00.4561	SP109030	https://ftp.hp.com/pub/softpaq/sp109001-109500/sp109030.exe
HP ProBook 455 G5	9.21.00.4561	SP109035	https://ftp.hp.com/pub/softpaq/sp109001-109500/sp109035.exe
HP ProBook 470 G4	9.21.00.4561	SP109030	https://ftp.hp.com/pub/softpaq/sp109001-109500/sp109030.exe
HP ProBook 470 G5	9.21.00.4561	SP109035	https://ftp.hp.com/pub/softpaq/sp109001-109500/sp109035.exe
HP ProBook 640 G3	9.21.00.4561	SP109030	https://ftp.hp.com/pub/softpaq/sp109001-109500/sp109030.exe
HP ProBook 640 G4	9.21.00.4561	SP109035	https://ftp.hp.com/pub/softpaq/sp109001-109500/sp109035.exe
HP ProBook 645 G3	9.21.00.4561	SP109030	https://ftp.hp.com/pub/softpaq/sp109001-109500/sp109030.exe

Table 2 Business Notebook PCs (continued)

Product Name	Minimum Version	SoftPaq #	SoftPaq Link
HP ProBook 645 G4	9.21.00.4561	SP109035	https://ftp.hp.com/pub/softpaq/sp109001-109500/sp109035.exe
HP ProBook 650 G3	9.21.00.4561	SP109030	https://ftp.hp.com/pub/softpaq/sp109001-109500/sp109030.exe
HP ProBook 650 G4	9.21.00.4561	SP109035	https://ftp.hp.com/pub/softpaq/sp109001-109500/sp109035.exe
HP ProBook 650 G4	9.21.00.4561	SP110234	https://ftp.hp.com/pub/softpaq/sp110001-110500/sp110234.exe
HP ProBook 655 G3	9.21.00.4561	SP109030	https://ftp.hp.com/pub/softpaq/sp109001-109500/sp109030.exe
HP ProBook 745 G5	9.21.00.4561	SP109035	https://ftp.hp.com/pub/softpaq/sp109001-109500/sp109035.exe
HP ProBook 755 G5	9.21.00.4561	SP109035	https://ftp.hp.com/pub/softpaq/sp109001-109500/sp109035.exe
HP ProBook x360 440 G1	9.21.00.4561	SP109035	https://ftp.hp.com/pub/softpaq/sp109001-109500/sp109035.exe
HP ZBook 14u G4	9.21.00.4561	SP109030	https://ftp.hp.com/pub/softpaq/sp109001-109500/sp109030.exe
HP ZBook 14u G5	9.21.00.4561	SP109035	https://ftp.hp.com/pub/softpaq/sp109001-109500/sp109035.exe
HP ZBook 15 G4	9.21.00.4561	SP109030	https://ftp.hp.com/pub/softpaq/sp109001-109500/sp109030.exe
HP ZBook 15 G5	9.21.00.4561	SP110234	https://ftp.hp.com/pub/softpaq/sp110001-110500/sp110234.exe
HP ZBook 15u G4	9.21.00.4561	SP109030	https://ftp.hp.com/pub/softpaq/sp109001-109500/sp109030.exe
HP ZBook 15u G5	9.21.00.4561	SP109035	https://ftp.hp.com/pub/softpaq/sp109001-109500/sp109035.exe
HP ZBook 17 G4	9.21.00.4561	SP109030	https://ftp.hp.com/pub/softpaq/sp109001-109500/sp109030.exe
HP ZBook 17 G5	9.21.00.4561	SP110234	https://ftp.hp.com/pub/softpaq/sp110001-110500/sp110234.exe
HP ZBook Studio G4	9.21.00.4561	SP109030	https://ftp.hp.com/pub/softpaq/sp109001-109500/sp109030.exe
HP ZBook Studio G5	9.21.00.4561	SP110234	https://ftp.hp.com/pub/softpaq/sp110001-110500/sp110234.exe
HP ZBook Studio x360 G5	9.21.00.4561	SP110234	https://ftp.hp.com/pub/softpaq/sp110001-110500/sp110234.exe
HP ZBook x2 G4	9.21.00.4561	SP109030	https://ftp.hp.com/pub/softpaq/sp109001-109500/sp109030.exe
HP ZHAN 66 Pro G1	9.21.00.4561	SP109035	https://ftp.hp.com/pub/softpaq/sp109001-109500/sp109035.exe

Retail Point-of-Sale systems

Object name	comcon_win_genpc_r_hpsbhf03699_rev2_intel_HD_audio_driver_Nov_2020_security_update_retail_POS_systems
GUID	GUID-44E5CB52-D698-4B0A-A431-5A7BD554E8BE
Version	1

Identify the affected retail point-of-sale systems.

Table 3 Retail Point-of-Sale systems

Product Name	Minimum Version	SoftPaq #	SoftPaq Link
HP Engage Go Mobile System	9.21.00.4561	SP109035	https://ftp.hp.com/pub/softpaq/sp109001-109500/sp109035.exe

Home Desktop PCs

Object name	comcon_win_genpc_r_hpsbhf03699_rev2_intel_HD_audio_driver_Nov_2020_security_update_home_DT_PCs
GUID	GUID-DF7ADD2C-7582-4080-A28E-BD740CFE86FB
Version	1

Identify the affected home desktop PCs.

Table 4 Home Desktop PCs

Product Name	Component Type	Minimum Version	SoftPaq #	SoftPaq Link
HP All-in-One 22-df0xxx	Intel Driver in Audio Package	9.21.00.4561	SP106099	https://ftp.hp.com/pub/softpaq/sp106001-106500/sp106099.exe
HP All-in-One 24-df0xxx	Intel Driver in Audio Package	9.21.00.4561	SP106099	https://ftp.hp.com/pub/softpaq/sp106001-106500/sp106099.exe
HP All-in-One 24-dp0XXX	Intel Driver in Audio Package	9.21.00.4561	SP106099	https://ftp.hp.com/pub/softpaq/sp106001-106500/sp106099.exe
HP All-in-One 27-dp0XXX	Intel Driver in Audio Package	9.21.00.4561	SP106099	https://ftp.hp.com/pub/softpaq/sp106001-106500/sp106099.exe
HP All-in-One 22-dd0xxx	Intel Driver in Audio Package	9.21.00.4561	SP106099	https://ftp.hp.com/pub/softpaq/sp106001-106500/sp106099.exe
HP All-in-One 24-dd0xxx	Intel Driver in Audio Package	9.21.00.4561	SP106099	https://ftp.hp.com/pub/softpaq/sp106001-106500/sp106099.exe
HP Pavilion Wave 600-a3xx Desktop	Intel Driver in Audio Package	9.21.00.4594	SP110788	https://ftp.hp.com/pub/softpaq/sp110501-111000/sp110788.exe

Revision history

Object name	comcon_win_genpc_r_hpsbhf03699_rev2_intel_HD_audio_driver_Nov_2020_security_update_revision_history
GUID	GUID-A491F90C-FA6C-4191-BCD7-25072048254A
Version	1

This document has been revised according to the information below.

List of versions

Version	Description	Date
2	Updated SoftPaq link in Home Desktop PCs table.	November 18, 2020
1	Initial Release	November 10, 2020

Additional information

Object name	e_SB_additional_information
GUID	GUID-58F56397-8674-4AD7-98D2-03ECDD83180F
Version	2

Follow these links for additional information.

Third-party security patches
Third party security patches that are to be installed on systems running HP software products should be applied in accordance with the customer's patch management policy.

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For issues about implementing the recommendations of this Security Bulletin, visit http://www.hp.com/go/contacthp to learn about your HP support options.

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Legal information

Object name	r_SB_legal_information_2020_UPDATE_ME
GUID	GUID-A4BF8E92-6E6F-4233-81D2-488C578EC51F

System management and security procedures must be reviewed frequently to maintain system integrity. HP is continually reviewing and enhancing the security features of software products to provide customers with current secure solutions.

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