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Intel ®Ethernet Connection I219 Windows NDIS Driver Release 12.19.2.56

Driver Release Note
September 2023

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Contents

Intended Audience

The intended audience for this is OEM/ODM software developers, test and validation engineers, and system integrators.

Customer Support

For technical support, including answers to questions not addressed in this product, visit the technical support forum at **https://premiersupport.intel.com/IPS/home/home.jsp**.

NOTE: If your distributor provides technical support for this product, please contact them for support rather than Intel.

1. Introduction

1.1 Scope of Document

This document provides information about release components included in Intel ®Ethernet Connection I219 driver release. Additionally, this document contains information about changes relevant for these driver releases.

1.2 Acronyms and Terms

Term	Description
BIOS	Basic Input Output System
CRB	Intel® Customer Reference Board
FW	Firmware
GbE	Gigabit Ethernet
LAN	Local Area Network
MAC	Media Access Control
PCH	Platform Control Hub
WMI	Windows* Management Instrumentation
WSI	Web Services Interoperability Organization
WHL	Whiskey
UWD	Universal Windows Driver

2. Release Kit details

This document covers Intel ®Ethernet Connection I219 driver release kit for all the supported platforms.

2.1   Intel® Ethernet Connection I219 Windows NDIS Driver Release 12.19.2.56

- This Kit support all Intel® Ethernet Connection I219 platforms
- This Kit provides WHQL signature for
    - o Windows 10 1903 (19H1)
    - o Windows 10 2004 (20H1)
    - o Windows Server 2022 (21H2)
    - o Windows 11 (21H2) WHQL driver
    - o Windows 11 (22H2) WHQL driver

Kit contains the following main components:

Component	Version
Windows NDIS Driver – e1d68	12.19.2.56

Microsoft Partner Center Resell ID:

Name on MSFT website	Driver Version	Driver/ OS certification type	Shared product ID	Private product ID	Submission Id
Intel(R) Ethernet Connection I219	12.19.2.56	Win10 x64 19H1 & 20H1/ Win11 21H2 & 22H2/ Win Server 2022 (21H2)	401468355	14137291483883570	1152921505696717163

3. Fixed Issues

3.1   Closed – Windows LAN Driver

Issues #	Description	Fixed in Windows Driver Version
13011147384	[Nahum][NDIS] False Link Status in Windows Ethernet Status after disconnecting the LAN cable	12.19.2.56
13011023698	[Nahum] NS offload doesn't work in CS starting version 12.19.2.50	12.19.2.55
18024913705	[Nahum][NDIS] Device hang while running TCP small packets session	12.19.2.53
13010797149	[MTL-H][Win10]Observed Yellow bang on Intel(R) Ethernet Connection (18) I219-LM during S4/WR cycling (No cable connected)	12.19.2.53
13010798726	[MTL-P][Win10]:Low performance Tx on file transfer	12.19.2.53
15012416612	[Basin Fall][Corporate][I219LM] No or Intermittent Network Connectivity	12.19.2.50
1309872293	[TGL][ADL] Proxy offload doesn''t work in S3 config when connected to LP that supports 1G + EEE'	12.19.2.50
1309459060	[ADL][Corporate][I219LM] SUT sporadically hang up with CATT error LED on during coldboot and warmboot cycling test'	12.19.2.50
22014296206	Support Max NDIS version in WDK (NDIS 6.85)	12.19.2.45
	Eagle Stream Platform Support	12.19.2.45
	Windows Server 2022 Support	12.19.2.45
1308456835	Link flap during dis\connected in CS	12.19.1.37
1308415589	CMS Exit Latency values not meeting PV milestone QRC Target (< 525 ms)	12.19.1.37
1308276790	The ucode is not replying to ARP Requests	12.19.1.35

1308131979	Mphy not power gating for non-S0ix-enabled system for Intel Rocket Lake-S platform with Intel ® 500 series PCH	12.19.1.32
22010615822	Modern Standby Wake on LAN support for CometLake	12.19.0.18
1307390927	GbE not power gated during CS and blocked SLP_S0 when LAN cable is disconnected	12.19.0.18
1307496454	[TGLU] [Selective Suspend] [Corporate][cable connected]: Fail exit from D3 during ping	12.19.0.16
1307765197	[TGL-U/Y-B0]Onboard Ethernet NIC unable to Rx/Tx pings over ~2960 bytes	12.19.0.16
1307891799	[TGL-U] Adding driver workaround for PME HW bug.	12.19.0.16
1307900089	[CML][Corporate] Ethernet Gbe not power gated during CS and block SLP_S0 (Cable Dis)	12.19.0.16
1308022529	[TGL-U][CORP] Platform wakes to S0, on ping in SX/CM3PG	12.19.0.16
1307891799	[TGL-U] Adding driver workaround for PME HW bug	12.19.0.13
1307900089	Ethernet Gbe not power gated during CS and block SLP_S0 (Cable Dis)	12.19.0.12
1307891799	[TGL-U] Adding driver workaround for PME HW bug	12.19.0.11
1307738649	[S5/S4/WR][B0]: Three-strike timeout Pointing to GBE LAN [0x0c00fe0a8]	12.19.0.10
1307765197	[TGL-U/Y-B0]Onboard Ethernet NIC unable to Rx/Tx pings over ~2960 bytes	12.19.0.10
2209028281	Client.NDIS.E1D - Replace use of "VlanID" with "IntelANSVlanID" for Intel ANS VLANs	12.19.0.10
1307496454	SW/HW Drips/SLP_S0 blocked on OS HDD SKU with Ethernet cable connected	12.18.9.23
1307475134	System auto-wakes from S5 if "Wake on LAN" is set to "Forced" in Device Manager Ethernet properties (Cable Dis)	12.18.9.22
1307248752	[CML-U6+2-V1][4STAR][CORP][19H2][CS][HLK]:-Modern Standby Basic Requirement Test on AC-DC	12.18.9.20

	power Source tests are failing , Due to Hardware drips Pointing to Lan'	
1307118142	The Laptop resumes automatically after S4/S5 (with LAN Connected) on Modern Standby systems	12.18.9.17
2206851518	Log link state event of I219LM adapter is not displayed correctly.	12.18.9.11
1305987283	WHL boards Gbe hang needs W/O in Jacksonville E1D	12.18.9.7
1306184540	MAC not entering DPG after CMS or S4	12.18.9.7
1306344445	When resuming from Connected Modern Standby, the link speed in windows network status will be showed 10Mbps	12.18.9.7
1306448525	E1D auto wake during CMS cause power consumption	12.18.9.7
1504783878	Unit cannot detect Ethernet when plug in LAN cable after Skype calling	12.18.9.7

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