



Intel® Ethernet Connection I219

Windows NetAdapterCx Driver Release

20.0.3.28

Driver Release Note

April 2026

Intel Confidential

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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 Windows NetAdapterCx 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 Windows NetAdapterCx driver release kit for all the supported platforms.

2.1 Intel® Ethernet Connection I219 Windows [NetAdapterCx](#) Driver Release 20.0.3.28

- This Kit supports all Intel® Ethernet Connection I219 platforms
- This Kit provides WHQL signature for
 - Windows 11 (24H2) WHQL driver
 - Windows 11 (25H2) WHQL driver
 - Windows Server 2025

Kit contains the following main components:

Component	Version
Windows NetAdapterCx Driver – e1dn	20.0.3.28

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-e1dn v20.0.3.28	20.0.3.28	24H2, 25H2, Windows Server 2025	402626890	13853430349115493	1152921505700670570

3. Fixed Issues

3.1 Closed – Windows LAN Driver

Issues #	Description	Fixed in Windows Driver Version
16029568887	Adds unregister methods for firmware interrupt callbacks and ensures proper cleanup	20.0.3.28
16029470641	Disabled Flow control when in half duplex mode	20.0.3.28
	NetAdapterTxQueue - add m_currentDiscardedPackets counter	20.0.3.28
18044021310	Increase flow control threshold in case of Jumbo packets	20.0.3.28
15018498579	Don't request DPG from ME in Sx states	20.0.3.24
	Fix GetLastTransmittedFragmentIndex() new implementation	20.0.3.24
13012836973	HW Tx Queue - change Start/Stop and GetLastTransmittedFragmentIndex implementation	20.0.3.24
15018518438	Prevent the ME from copying APM bits in power down flow	20.0.3.21
	Add PLL lock timeout registry key	20.0.3.21
14024863159	PLL lock timeout workaround	20.0.3.21
	Apply all W/A for NVL	20.0.3.21

16028730156	Wake on magic packet doesn't work on CS - undo moving clear the host wakeup bit before lcd reset	20.0.3.21
15018356189	Auto Negotiation of Speed & Duplex feature is abnormal on NetAdapterCx-based driver when using low quality cable	20.0.3.16
15017468719	System unexpected boot up automatically after shutdown	20.0.3.15_25H2
16027900291	Hot unplug & plug of LAN cable not fetching network using GBE/integrated LAN	20.0.3.13p
16027598161	GbE unable to power gate after hot plugging the LAN cable in S0	20.0.3.12p
15018028262	Yellow Bang code 43 occurs on Inter(R) Ethernet Connection (20) 1219-LM	20.0.3.12p
14024624391	Yellow Bang code 43 occurs after restart (EFI to OS)	20.0.3.12p
13012168230	Tx hang after un\plugged LAN cable while running Tx iPerf UDP	20.0.3.12p
16027900291	Hot unplug & plug of LAN cable not fetching network using GBE/integrated LAN	20.0.3.12p
16027170470	Observed sporadic YB after wake from S3	20.0.3.9
14024464410	Unexpected wake from shutdown with fast startup enabled	20.0.3.8
16025933405	YB observed with the LAN Driver (20.0.3.1p) during CVT testing	20.0.3.6
15017202742	GbE PIPE TX Clock switch causing sync issue in PMA and data corruption	20.0.3.6
16025823739	LAN network connection is getting lost during S0IX cycles	20.0.3.6
22020795552	Intel Ethernet Connection I219 YB after CPU high loading	20.0.3.6
16025823739	LAN network connection is getting lost during S0IX cycles	20.0.3.4
15017202742	GbE PIPE TX Clock switch causing sync issue in PMA and data corruption	20.0.3.4

14023438925	GPE._L6B interrupt storm observed in PHM idle screen on test	20.0.3.4
16025823739	[ARL- HX] [B0][DPMO] LAN network connection is getting lost during S0IX cycles (fails after ~1000 cycles)	20.0.2.22
22020449064	- [LNL-V][CVS][B0][BKC][DPMO][3 STAR 1]- Intel(R) Ethernet Connection(20) I219-LM Code{43} Yellow bang observed during CS Cycling	20.0.2.21
16024807160	[ARL-S][B0][DPMO]: Observed Bug check 9F pointing to E1DN while running S4 KPI	20.0.2.20
16024471058	BSOD observed with the LAN Driver (20.0.2.16)	20.0.2.19
13011922098	[ARL] e1dn driver can fail on mtaShadow allocation, access to unmapped memory and cause to page fault BSOD	20.0.2.19
13011936915	[HLK] OffloadLSO fails with BSOD	20.0.2.19
13011922098	[ARL] e1dn driver can fail on mtaShadow allocation, access to unmapped memory and cause to page fault BSOD	20.0.2.16
13011856913	[ARL-Hx] Observed Unknown Bugcheck(1b0224) with driver verifier enabled pointing to e1dn.sys	20.0.2.16
18038003544	[HLK] DF - PNP Stop (Rebalance) Device Test (Reliability) -BSOD	20.0.2.16
18038003478	[HLK] DF - PNP Rebalance Request New Resources Device (Reliability) -BSOD	20.0.2.16
16023667525	[LNL-Mx] System hits bug check 0x9F_3_netadaptercx!NxNblDatapath::SetTxHandler pointing to I219 Onboard LAN during Prime95+MemRunner+GT+S0ix concurrent flows	20.0.2.16
13011871001	[WHQL] Keep Alive test fails with NS and ARP	20.0.2.16
13011609901	[LNL-Mx] LAN and WLAN switching is not happening sporadically	20.0.2.10
18035195496	Driver stop working for few minutes after performance test	20.0.2.7
13011525737	LAN controller blocking SLP_S0 with cable disconnected, due to missing configuration	20.0.2.7

13011147280	[MTL-H] BSOD: "DPC_WATCHDOG_VIOLATION (133)" with MODULE_NAME: "e1dn" while running Cold Boot/Warm Reset test	20.0.1.46
13010047824	[MTL-P][corporate] YB after idle in S0 (caused by broken interface on power up)	20.0.1.46
13011079882	[MTL-P][Corporate] Driver stay in D3 after connecting LAN Cable (only when ULP is enabled)	20.0.1.46
13010042257	[MTL-P][Corporate][NetAdapter] Gbe hangs after enabling from Device Manager, then directly connect the cable	20.0.1.43
16021180545	[MTL-P] code 43 YB on I219 controller in S4 and CS stability runs	20.0.1.43
13010589703	[MTL-P-DDR5-SBS][DDR5][Corporate-Provision]: Link disconnected during CS cycles	20.0.1.39
13010567119	Netadapter drivers are indicating redundant link up indication to the OS after RTD3	20.0.1.39
13010792120	[NetAdapter][I219][WHQL] HLK PM_WolPattern test fails	20.0.1.39
13010881710	[MTL-S][Consumer][NetAdapter] No wake from Magic packet while in S3/S4 not reproduced with inbox NDIS 12.19.1.32	20.0.1.39
13010865807	[MTL-P-DDR5-SBS][DDR5][Corporate-Provision]: MAC-PHY Broken interface during CS cycles(signature #2)	20.0.1.39
18025537956	[MTL-M-P][Nahum][NetAdapter][Corp-Non provision][SV2]: Link downgrade to 10M during CS cycles	20.0.1.33
13010356090	[Nahum][NetAdapter] e1dnexpress events cannot be found in the event viewer	20.0.1.33
13010559007	[MTL-P B0] BSOD: ATTEMPTED_SWITCH_FROM_DPC (b8) with IMAGE_NAME: e1dn.sys during S0ix cycling with Concurrency traffic	20.0.1.33
13010567119	[Nahum] Netadapter drivers are indicating redundant link up indication to the OS after RTD3	20.0.1.33
13010592583	[MTL-P 682][S0ix] Yellow bang on Ethernet port on consumer configuration	20.0.1.33

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