

Supported Operating Systems for Intel® Ethernet Controllers (LOM)

Documentation

Content TypeCompatibility

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These tables list Intel® Ethernet Controllers and their supported operating systems (OS). See links below for the latest available drivers.

The drivers linked below are the generic Intel drivers.

Your device might have customized drivers and software to enable or alter features to improve operations that are provided by the original equipment manufacturer (OEM). Contact the OEM for the latest updates and technical support information.

**Note** Not all drivers are updated with every release.

For updates and additional information, view the latest [Release Notes](#).

Windows\* support for Intel® Ethernet 800 Series Network Controllers

Product Specifications	Windows Driver	Windows* Client		Windows* Server					
		10	11	2008 R2	2012	2012 R2	2016	2019	2022
<a href="#">E810-CAM1</a> <a href="#">E810-CAM2</a>	ICEA	-	Yes	-	-	-	Yes <sup>2</sup>	Yes	Yes
<a href="#">E810-XXVAM2</a>	ICEA	-	Yes	-	-	-	Yes <sup>2</sup>	Yes	Yes

Open Source support for Intel® Ethernet 800 Series Network Controllers

Product Specifications	Linux Driver	Linux*									FreeBSD*	
		RHEL 9.2, 9.1 & 8.8, 8.7	RHEL 8.x (8.6 and previous)	SLES 15 SP4	SLES 15 SP3 and previous	SLES 12 SP5	SLES 12 SP4 and Previous	Ubuntu* 22.04 LTS	Ubuntu* 20.04 LTS	Debian* 11	13 / 12.3	12.2 and Previous
<a href="#">E810-CAM1</a> <a href="#">E810-CAM2</a>	ice	Yes	SNT	Yes	SNT	Yes	SNT	Yes	Yes	Yes	Yes	SNT
<a href="#">E810-XXVAM2</a>	ice	Yes	SNT	Yes	SNT	Yes	SNT	Yes	Yes	Yes	Yes	SNT

Windows\* support for Intel® Ethernet 700 Series Network Controllers

Product Specifications	Windows Driver	Windows* Client				Windows* Server					
		7	8.1	10	11	2008 R2	2012	2012 R2	2016	2019	2022
<a href="#">X722</a>	I40EB	NS <sup>3</sup>	NS <sup>3</sup>	Yes	Yes	NS <sup>3</sup>	-	Yes <sup>2</sup>	Yes <sup>2</sup>	Yes	Yes
<a href="#">V710-AT2</a>	I40EA	-	-	Yes	Yes	NS <sup>3</sup>	Yes <sup>2</sup>	Yes <sup>2</sup>	Yes <sup>2</sup>	Yes	Yes
<a href="#">X710-AT2</a> <a href="#">X710-TM4</a>	I40EA	-	-	Yes	Yes	NS <sup>3</sup>	Yes <sup>2</sup>	Yes <sup>2</sup>	Yes <sup>2</sup>	Yes	Yes
<a href="#">XXV710-AM1</a> <a href="#">XXV710-AM2</a>	I40EA	-	-	Yes	Yes	NS <sup>3</sup>	Yes <sup>2</sup>	Yes <sup>2</sup>	Yes <sup>2</sup>	Yes	Yes
<a href="#">X710-AM2</a> <a href="#">X710-BM2</a>	I40EA	-	-	Yes	Yes	NS <sup>3</sup>	Yes <sup>2</sup>	Yes <sup>2</sup>	Yes <sup>2</sup>	Yes	Yes
<a href="#">XL710-AM1</a> <a href="#">XL710-AM2</a> <a href="#">XL710-BM1</a> <a href="#">XL710-BM2</a>	I40EA	-	-	Yes	Yes	NS <sup>3</sup>	Yes <sup>2</sup>	Yes <sup>2</sup>	Yes <sup>2</sup>	Yes	Yes

Open Source support for Intel® Ethernet 700 Series Network Controllers

Product Specifications	Linux Driver	Linux*									FreeBSD*	
		RHEL 9.2, 9.1 & 8.8, 8.7	RHEL 8.x (8.6 and previous)	SLES 15 SP4	SLES 15 SP3 and previous	SLES 12 SP5	SLES 12 SP4 and Previous	Ubuntu* 22.04 LTS	Ubuntu* 20.04 LTS	Debian* 11	13 / 12.3	12.2 and Previous
<a href="#">X722</a>	i40e	Yes	SNT	Yes	SNT	Yes	SNT	Yes	Yes	SNT	Yes	SNT
<a href="#">V710-AT2</a>	i40e	Yes	SNT	Yes	SNT	Yes	SNT	Yes	Yes	SNT	Yes	SNT
<a href="#">X710-AT2</a> <a href="#">X710-TM4</a>	i40e	Yes	SNT	Yes	SNT	Yes	SNT	Yes	Yes	SNT	Yes	SNT
<a href="#">XXV710-AM1</a> <a href="#">XXV710-AM2</a>	i40e	Yes	SNT	Yes	SNT	Yes	SNT	Yes	Yes	SNT	Yes	SNT
<a href="#">X710-AM2</a> <a href="#">X710-BM2</a>	i40e	Yes	SNT	Yes	SNT	Yes	SNT	Yes	Yes	SNT	Yes	SNT
<a href="#">XL710-AM1</a> <a href="#">XL710-AM2</a> <a href="#">XL710-BM1</a> <a href="#">XL710-BM2</a>	i40e	Yes	SNT	Yes	SNT	Yes	SNT	Yes	Yes	SNT	Yes	SNT

Windows\* support for Intel® Ethernet 500 Series Network Controllers

Product Specifications	Windows Driver	Windows* Client					Windows* Server					
		7	8	8.1	10	11	2008 R2	2012	2012 R2	2016	2019	2022
<a href="#">X550-AT</a> <a href="#">X550-AT2</a> <a href="#">X550-BT2</a>	IXS	NS <sup>3</sup>	NS <sup>3</sup>	NS <sup>3</sup>	Yes	Yes	NS <sup>3</sup>	Yes <sup>2</sup>	Yes <sup>2</sup>	Yes <sup>2</sup>	Yes	Yes
<a href="#">X540-AT2</a> <a href="#">X540-BT2</a>	IXT	NS <sup>3</sup>	NS <sup>3</sup>	NS <sup>3</sup>	Yes	-	NS <sup>3</sup>	Yes <sup>2</sup>	Yes <sup>2</sup>	Yes <sup>2</sup>	Yes	-
<a href="#">82599EB</a> <a href="#">82599ES</a> <a href="#">82599EN</a>	IXN	NS <sup>3</sup>	NS <sup>3</sup>	NS <sup>3</sup>	Yes	-	NS <sup>3</sup>	Yes <sup>2</sup>	Yes <sup>2</sup>	Yes <sup>2</sup>	Yes	-
<a href="#">X557-AT</a> <a href="#">X557-AT2</a> <a href="#">X557-AT4</a>	SXB	-	-	-	-	-	NS <sup>3</sup>	Yes <sup>2</sup>	Yes <sup>2</sup>	Yes <sup>2</sup>	Yes	-

Open Source support for Intel® Ethernet 500 Series Network Controllers

Product Specifications	Linux Driver	Linux*									FreeBSD*	
		RHEL 9.2, 9.1 & 8.8, 8.7	RHEL 8.x (8.6 and previous)	SLES 15 SP4	SLES 15 SP3 and previous	SLES 12 SP5	SLES 12 SP4 and Previous	Ubuntu* 22.04 LTS	Ubuntu* 20.04 LTS	Debian* 11	13 / 12.3	12.2 and Previous
<a href="#">X550-AT</a> <a href="#">X550-AT2</a> <a href="#">X550-BT2</a>	ixgbe	Yes	SNT	Yes	SNT	Yes	SNT	Yes	Yes	SNT	Yes	SNT
<a href="#">X540-AT2</a> <a href="#">X540-BT2</a>	ixgbe	Yes	SNT	Yes	SNT	Yes	SNT	Yes	Yes	SNT	Yes	SNT
<a href="#">82599EB</a> <a href="#">82599ES</a> <a href="#">82599EN</a>	ixgbe	Yes	SNT	Yes	SNT	Yes	SNT	Yes	Yes	SNT	Yes	SNT
<a href="#">X557-AT</a> <a href="#">X557-AT2</a> <a href="#">X557-AT4</a>	ixgbe	Yes	SNT	Yes	SNT	Yes	SNT	Yes	Yes	SNT	Yes	SNT

Windows\* support for 2.5 GbE Intel® Ethernet Network Controllers

Product Specifications	Windows Driver	Windows* Client					Windows* Server					
		7	8	8.1	10	11	2008 R2	2012	2012 R2	2016	2019	2022
<a href="#">I225-LM</a>	E2F	-	-	-	Yes	Yes	-	-	-	-	Yes	Yes
<a href="#">I225-V</a>	E2F	-	-	-	Yes	Yes	-	-	-	-	-	-
<a href="#">I225-IT</a>	E2F	-	-	-	Yes	Yes	-	-	-	-	Yes	Yes
<a href="#">I226-LM</a>	E2F	-	-	-	Yes	Yes	-	-	-	-	Yes	Yes
<a href="#">I226-V</a>	E2F	-	-	-	Yes	Yes	-	-	-	-	-	-
<a href="#">I226-IT</a>	E2F	-	-	-	Yes	Yes	-	-	-	-	Yes	Yes

Intel® PROSet for Windows\* Device Manager and Intel® Advanced Network Services (Intel® ANS) driver for teaming and **Note** VLANs aren't supported by I225/ I226.

Open Source support for 2.5 GbE Intel® Ethernet Network Controllers (igc)

Product Specifications	Linux Driver	Linux*										FreeBSD*	VMware*	DPDK*	
		Kernel 5.4	Kernel 5.8	Kernel 5.16.18	RHEL 7.9	RHEL 8.1	RHEL 8.3	RHEL 8.6	Ubuntu* 18.04 LTS	Ubuntu* 20.04 LTS	Ubuntu* 22.04 LTS	13.0	ESXi8.0	20.05	22.07
I225-LM	igc	-	Yes	Yes	-	Yes	Yes	Yes	-	-	Yes	Yes	Yes	Yes	Yes
I225-V	igc	-	Yes	Yes	-	Yes	Yes	Yes	-	-	Yes	Yes	Yes	Yes	Yes
I225-IT	igc	-	Yes	Yes	-	-	Yes	Yes	-	-	Yes	Yes	Yes	Yes	Yes
I226-LM	igc	-	-	Yes	-	-	-	Yes	-	-	-	-	Yes	-	Yes
I226-V	igc	-	-	Yes	-	-	-	Yes	-	-	-	-	Yes	-	Yes
I226-IT	igc	-	-	Yes	-	-	-	Yes	-	-	-	-	Yes	-	Yes

igc standalone / out-of-tree driver is unsupported.

**Note** Please only access the igc driver to the corresponding kernel version Please get in touch with Red Hat Enterprise/ VMware / DPDK Community for technical support.

Windows\* support for 1 GbE Intel® Ethernet Network Controllers

Product Specifications	Windows Driver	Windows* Client					Windows* Server					
		7	8	8.1	10	11	2008 R2	2012	2012 R2	2016	2019	2022
I350-BT2 I350-AM2 I350-AM4	E1R	NS <sup>3</sup>	NS <sup>3</sup>	NS <sup>3</sup>	Yes	Yes	NS <sup>3</sup>	Yes <sup>2</sup>	Yes <sup>2</sup>	Yes <sup>2</sup>	Yes	Yes
I210-AT I210-CL I210-CS I210-IS I210-IT	E1R	NS <sup>3</sup>	NS <sup>3</sup>	NS <sup>3</sup>	Yes	Yes	NS <sup>3</sup>	Yes <sup>2</sup>	Yes <sup>2</sup>	Yes <sup>2</sup>	Yes	Yes
I211-AT	E1R	NS <sup>3</sup>	NS <sup>3</sup>	NS <sup>3</sup>	Yes	Yes	-	-	-	-	-	-
I217-LM I218-LM	E1D	NS <sup>3</sup>	NS <sup>3</sup>	NS <sup>3</sup>	Yes	Yes	NS <sup>3</sup>	Yes <sup>2</sup>	Yes <sup>2</sup>	In Box Only/SNT	-	-
I219-LM	E1D	NS <sup>3</sup>	NS <sup>3</sup>	NS <sup>3</sup>	Yes	Yes	NS <sup>3</sup>	Yes <sup>2</sup>	Yes <sup>2</sup>	Yes <sup>2</sup>	Yes	Yes
I217-V I218-V	E1D	NS <sup>3</sup>	NS <sup>3</sup>	NS <sup>3</sup>	Yes	Yes	-	-	-	-	-	-
I219-V	E1D	NS <sup>3</sup>	NS <sup>3</sup>	NS <sup>3</sup>	Yes	Yes	-	-	-	-	-	-
82579LM	E1C	NS <sup>3</sup>	NS <sup>3</sup>	NS <sup>3</sup>	In Box <sup>4</sup> Only	In Box Only	NS <sup>3</sup>	Yes <sup>2</sup>	Yes <sup>2</sup>	In Box Only	In Box Only	-
82579V	E1C	NS <sup>3</sup>	NS <sup>3</sup>	NS <sup>3</sup>	In Box <sup>4</sup> Only	In Box Only	-	-	-	-	-	-
82574IT 82574L	E1Q	NS <sup>3</sup>	In Box Only	In Box Only	In Box Only	In Box Only	NS <sup>3</sup>	Yes <sup>2</sup>	In Box Only	In Box Only	In Box Only	-
82575EB	E1Q	NS <sup>3</sup>	In Box Only	In Box Only	In Box Only	In Box Only	NS <sup>3</sup>	Yes <sup>2</sup>	In Box Only	In Box Only	In Box Only	-
82576EB 82576NS	E1Q	NS <sup>3</sup>	In Box Only	In Box Only	In Box Only	In Box Only	NS <sup>3</sup>	Yes <sup>2</sup>	In Box Only	In Box Only	In Box Only	-
82583V	E1Q	NS <sup>3</sup>	In Box Only	In Box Only	In Box Only	In Box Only	-	-	-	-	-	-
82580EB 82580DB	E1R	NS <sup>3</sup>	In Box Only	In Box Only	In Box Only	In Box Only	NS <sup>3</sup>	Yes <sup>2</sup>	In Box Only	In Box Only	In Box Only	-

Intel® PROSet for Windows\* Device Manager and Intel® Advanced Network Services (Intel® ANS) driver for teaming and  
**Note** VLANS aren't supported by I217/ I218/ I219.

Open Source support for 1 GbE Intel® Ethernet Network Controllers (igb)

Product Specifications	Linux Driver	Linux*									FreeBSD*	
		RHEL 9.2, 9.1 & 8.8, 8.7	RHEL 8.x (8.6 and previous)	SLES 15 SP4	SLES 15 SP3 and previous	SLES 12 SP5	SLES 12 SP4 and Previous	Ubuntu* 22.04 LTS	Ubuntu* 20.04 LTS	Debian* 11	13 / 12.3	12.2 and Previous
<a href="#">I350-BT2</a> <a href="#">I350-AM2</a> <a href="#">I350-AM4</a>	igb	Yes	SNT	Yes	SNT	Yes	SNT	Yes	Yes	SNT	Yes	SNT
<a href="#">I210-AT</a> <a href="#">I210-CL</a> <a href="#">I210-CS</a> <a href="#">I210-IS</a> <a href="#">I210-IT</a>	igb	Yes	SNT	Yes	SNT	Yes	SNT	Yes	Yes	SNT	Yes	SNT
<a href="#">I211-AT</a>	igb	Yes	SNT	Yes	SNT	Yes	SNT	Yes	Yes	SNT	Yes	SNT
<a href="#">82575EB</a>	igb	Yes	SNT	Yes	SNT	Yes	SNT	Yes	Yes	SNT	Yes	SNT
<a href="#">82576EB</a> <a href="#">82576NS</a>	igb	Yes	SNT	Yes	SNT	Yes	SNT	Yes	Yes	SNT	Yes	SNT
<a href="#">82580EB</a> <a href="#">82580DB</a>	igb	Yes	SNT	Yes	SNT	Yes	SNT	Yes	Yes	SNT	Yes	SNT

Open Source support for 1 GbE Intel® Ethernet Network Controllers (e1000e)

Product Specifications	Linux Driver	Linux*	FreeBSD*
		Kernel Supported Only	11.x/12.x
<a href="#">I217-V</a> <a href="#">I217-LM</a>	e1000e	NS <sup>3</sup>	NS <sup>3</sup>
<a href="#">I218-V</a> <a href="#">I218-LM</a>	e1000e	NS <sup>3</sup>	NS <sup>3</sup>
<a href="#">I219-V</a> <a href="#">I219-LM</a>	e1000e	Yes <sup>3</sup>	SNT <sup>3</sup>
<a href="#">82579V</a> <a href="#">82579LM</a>	e1000e	NS <sup>3</sup>	NS <sup>3</sup>
<a href="#">82574IT</a> <a href="#">82574L</a>	e1000e	NS <sup>3</sup>	NS <sup>3</sup>
<a href="#">82583V</a>	e1000e	NS <sup>3</sup>	NS <sup>3</sup>

Footnotes:

NS = No Longer Supported  
SNT = Supported Not Tested  
Yes = Fully supported with exceptions noted

- <sup>1</sup> No new feature addition requests to be supported.  
<sup>2</sup> Technical support for critical SW issues only (no Software customizations or general release Software updates)  
<sup>3</sup> Final SW release posted to web for customer to download if needed.  
<sup>4</sup> Supported through version 1803 (RS4), In Box Only version 1809 (RS5) and later.

In-box support

- Driver and software updates aren't planned for adapters with only in-box support. These adapters can't be updated using automated or manual methods.
- Intel® PROSet for Windows\* Device Manager and Intel® Advanced Network Services (Intel® ANS) driver for teaming and VLANs aren't included with in-box support.
- To add an adapter with in-box support to a team using multi-vendor teaming (MVT), see the [user guide](#).

**Note**The [Intel® Ethernet Adapter Complete Driver Pack](#) contains all the OS drivers and software in one large .zip file.