

Intel® Network Adapter historical driver and software version numbers

Drivers and Software can be downloaded from:

[Download Center](#)

This table is provided to help users determine if the drivers, firmware, or software they are using are the latest available.

To check your currently loaded driver version you can do the following:

- Windows*: Select your Network Adapter from Device Manager, then select the Driver Tab.
- Linux*: At a command prompt type: `lspci -nn | grep -i 'Ethernet Controller'`
- Netware*: From Monitor select "LAN/WAN Drivers" option.

10 Gigabit						
Operating System	Bus	Component	Release 16.7	Release 16.8	Release 17.0	Release 17.1
			(Nov 10, 11)	(Dec 15, 11)	(Mar 23, 12)	(Apr 24, 12)
Windows* 32bit (NDIS 5)	PCI-E	ixe5132.sys	2.4.36.0	2.4.36.0	2.4.36.0	2.4.36.0
Windows* 32bit (NDIS 5)	PCI-X	ixgb325.sys	2.1.18.0	2.1.18.0	2.1.18.0	Removed
Windows* 32bit (NDIS 5.1)	PCI-E	ixe5132.sys	2.4.36.0	2.4.36.0	2.4.36.0	2.4.36.0
Windows* 32bit (NDIS 5.1)	PCI-X	ixgb3251.sys	2.1.18.0	2.1.18.0	2.1.18.0	Removed
Windows* 32bit (NDIS 5.1)	PCI-E	ixt5132.sys	2.10.52.0	2.10.52.0	2.10.52.0	2.11.114.0
Windows* 32bit (NDIS 6)	PCI-E	ixe6032.sys	2.4.36.0	2.4.36.0	2.4.36.0	2.4.36.0
Windows* 32bit (NDIS 6)	PCI-X	ixg6032.sys	4.1.4.0	4.1.4.0	4.1.4.0	Removed
Windows* 32bit (NDIS 6)	PCI-E	ixn6032.sys	2.9.71.0	2.9.71.0	2.9.71.0	2.11.114.0
Windows* 32bit Virtual Function (NDIS 6)	PCI-E	vxn6032.sys	1.0.9.0	1.0.9.0	1.0.9.0	1.0.9.0
Windows* 32bit Virtual Function (NDIS 6)	PCI-E	ixt6032.sys	2.10.52.0	2.10.52.0	2.10.52.0	2.11.114.0
Windows* 32bit (NDIS 6.2)	PCI-E	ixe6232.sys	2.4.36.0	2.4.36.0	2.4.36.0	2.4.36.0
Windows* 32bit (NDIS 6.2)	PCI-E	ixn6232.sys	2.9.71.0	2.9.71.0	2.9.71.0	2.11.114.0
Windows* 32bit (NDIS 6.2)	PCI-E	ixt6232.sys	2.10.52.0	2.10.52.0	2.10.52.0	2.11.114.0
Windows* x64 (NDIS 5.1)	PCI-E	ixe51x64.sys	2.4.36.0	2.4.36.0	2.4.36.0	2.4.36.0

Windows* x64 (NDIS 5.1)	PCI-X	ixg5132e.sys	2.1.18.0	2.1.18.0	2.1.18.0	Removed
Windows* x64 (NDIS 5.1)	PCI-E	ixt51x64.sys	2.10.52.0	2.10.52.0	2.10.52.0	2.11.114.0
Windows* x64 (NDIS 6)	PCI-E	ixe60x64.sys	2.4.36.0	2.4.36.0	2.4.36.0	2.4.36.0
Windows* x64 (NDIS 6)	PCI-X	ixg60x64.sys	4.1.4.0	4.1.4.0	4.1.4.0	Removed
Windows* x64 (NDIS 6)	PCI-E	ixn60x64.sys	2.9.71.0	2.9.71.0	2.9.71.0	2.11.114.0
Windows* x64 Virtual Function (NDIS 6)	PCI-E	vxn60x64.sys	1.0.9.0	1.0.9.0	1.0.9.0	1.0.9.0
Windows* x64 Virtual Function (NDIS 6)	PCI-E	ixt60x64.sys	2.10.52.0	2.10.52.0	2.10.52.0	2.11.114.0
Windows* x64 (NDIS 6.2)	PCI-E	ixe62x64.sys	2.4.36.0	2.4.36.0	2.4.36.0	2.4.36.0
Windows* x64 (NDIS 6.2)	PCI-E	ixn62x64.sys	2.9.71.0	2.9.71.0	2.9.71.0	2.11.114.0
Windows* x64 (NDIS 6.2)	PCI-E	ixt62x64.sys	2.10.52.0	2.10.52.0	2.10.52.0	2.11.114.0
Windows* 64bit Itanium (NDIS 5.1)	PCI-E	ixe5164.sys	2.4.36.0	2.4.36.0	2.4.36.0	2.4.36.0
Windows* 64bit Itanium (NDIS 5.1)	PCI-X	ixgb6451.sys	2.1.18.0	2.1.18.0	2.1.18.0	Removed
Windows* 64bit Itanium (NDIS 5.1)	PCI-E	ixt5164.sys	2.10.52.0	2.10.52.0	2.10.52.0	2.11.114.0
Windows* 64bit Itanium (NDIS 6)	PCI-E	ixe6064.sys	2.4.36.0	2.4.36.0	2.4.36.0	2.4.36.0
Windows* 64bit Itanium (NDIS 6)	PCI-X	ixg6064.sys	4.1.4.0	4.1.4.0	4.1.4.0	Removed
Windows* 64bit Itanium (NDIS 6)	PCI-E	ixn6064.sys	2.9.71.0	2.9.71.0	2.9.71.0	2.11.114.0
Windows* 64bit Itanium (NDIS 6)	PCI-E	ixt6064.sys	2.10.52.0	2.10.52.0	2.10.52.0	2.11.114.0
Windows* 64bit Itanium (NDIS 6.2)	PCI-E	ixe6264.sys	2.4.36.0	2.4.36.0	2.4.36.0	2.4.36.0
Windows* x64 Virtual Function (NDIS 6.2)	PCI-E	vxn62x64.sys	1.0.11.2	1.0.11.2	1.0.11.2	1.0.11.2
Windows* 64bit Itanium (NDIS 6.2)	PCI-E	ixn6264.sys	2.9.71.0	2.9.71.0	2.9.71.0	2.11.114.0
Windows* 64bit Itanium (NDIS 6.2)	PCI-E	ixt6264.sys	2.10.52.0	2.10.52.0	2.10.52.0	2.11.114.0
Windows* 7 and 2008R2	All	ANS	9.8.41.0	9.8.41.0	9.8.41.0	9.8.42.0
Windows* Vista and 2008	All	ANS	9.8.41.0	9.8.41.0	9.8.41.0	9.8.42.0
Windows* XP and 2003	All	ANS	8.6.38	8.6.38	8.6.40.0	8.6.41.0
FreeBSD* 7	PCI-E	ixgbe	2.4.4	2.4.4	2.4.4	2.4.5
Linux*	PCI-E	ixgbe	3.7.14	3.7.14	3.7.14	3.9.15
Linux* (Virtual Function)	PCI-E	igbvf	2.1.3	2.1.3	2.1.3	2.6.2

Windows* 2003 32/64bit	PCI-E	iSCSIDump.sys	2.1.26.0	2.1.27.1	2.1.27.1	2.1.28.4
Windows* 2003 32/64bit	PCI-E	iSSetup.sys	2.1.26.0	2.1.27.1	2.1.27.1	2.1.28.4
Windows FCoE Driver	N/A		1.8.0.0	1.8.3.0	1.8.3.0	1.9.13.00
Gigabit						
Operating System	Bus	Component	Release 16.7	Release 16.8	Release 17.0	Release 17.1
			(Nov 10, 11)	(Dec 15, 11)	(Mar 23, 12)	(Apr 24, 12)
Windows NT* 32bit (NDIS 5)	PCI-X	e1000NT5.sys	8.10.3.0	8.10.3.0	8.10.3.0	8.10.3.0
Windows* 32bit (NDIS 5)	PCI-E	e1e5032.sys	9.15.11.0	9.15.11.0	9.15.11.0	9.15.17.0
Windows* 32bit (NDIS 5)	PCI-E	e1e5132.sys	9.15.11.0	9.15.11.0	9.15.11.0	9.15.17.0
Windows* 32bit (NDIS 5)	PCI-E	e1k5032.sys	11.13.51.0	11.13.51.0	11.16.87.0	11.16.87.0
Windows* 32bit (NDIS 5)	PCI-E	e1q5032.sys	11.14.48.0	11.14.48.0	11.14.48.0	11.17.27.0
Windows* 32bit (NDIS 5)	PCI-E	e1c5132.sys	11.13.51.0	11.15.12.0	11.16.96.0	11.16.96.0
Windows* 32bit (NDIS 5)	PCI-E	e1r5132.sys	11.14.48.0	11.14.48.0	11.14.48.0	11.14.48.0
Windows* 32bit (NDIS 5)	PCI-E	e1y5032.sys	10.1.14.0	10.1.17.0	10.1.17.0	10.1.17.0
Windows* 32bit (NDIS 5)	PCI-X	e1000325.sys	8.10.3.0	8.10.3.0	8.10.3.0	8.10.3.0
Windows* 32bit (NDIS 5.1)	PCI-E	e1k5132.sys	11.13.51.0	11.13.51.0	11.16.87.0	11.16.87.0
Windows* 32bit (NDIS 5.1)	PCI-E	e1q5132.sys	11.14.48.0	11.14.48.0	11.14.48.0	11.17.27.0
Windows* 32bit (NDIS 5.1)	PCI-E	e1r5132.sys	11.14.48.0	11.14.48.0	11.14.48.0	11.14.48.0
Windows* 32bit (NDIS 5.1)	PCI-E	e1y5132.sys	10.1.14.0	10.1.17.0	10.1.17.0	10.1.17.0
Windows* 32bit (NDIS 6)	PCI-E	e1e6032.sys	9.15.11.0	9.15.11.0	9.15.11.0	9.15.17.0
Windows* 32bit (NDIS 6)	PCI-E	e1g6032.sys	8.3.15.0	8.3.15.0	8.3.15.0	8.3.15.0
Windows* 32bit (NDIS 6)	PCI-E	e1k6032.sys	11.13.51.0	11.13.51.0	11.16.87.0	11.16.87.0
Windows* 32bit (NDIS 6)	PCI-E	e1q6032.sys	11.14.48.0	11.14.48.0	11.14.48.0	11.17.27.0
Windows* 32bit (NDIS 6)	PCI-E	e1c6032.sys	11.13.51.0	11.15.12.0	11.16.96.0	11.16.96.0
Windows* 32bit (NDIS 6)	PCI-E	e1r5132.sys	11.14.48.0	11.14.48.0	11.14.48.0	11.14.48.0
Windows* 32bit (NDIS 6)	PCI-E	e1y6032.sys	10.1.14.0	10.1.17.0	10.1.17.0	10.1.17.0
Windows* 32bit (NDIS 6)	PCI-E	v1q6032.sys	1.2.2.5	1.2.2.5	1.2.2.5	1.2.2.5
Windows* 32bit (NDIS 6.2)	PCI-E	e1e6232.sys	9.15.11.0	9.15.11.0	9.15.11.0	9.15.17.0

Windows* 32bit (NDIS 6.2)	PCI-E	e1k6232.sys	11.13.51.0	11.13.51.0	11.16.87.0	11.16.87.0
Windows* 32bit (NDIS 6.2)	PCI-E	e1q6232.sys	11.14.48.0	11.14.48.0	11.14.48.0	11.17.27.0
Windows* 32bit (NDIS 6.2)	PCI-E	e1c6232.sys	11.13.51.0	11.15.12.0	11.16.96.0	11.16.96.0
Windows* 32bit (NDIS 6.2)	PCI-E	e1r5132.sys	11.14.48.0	11.14.48.0	11.14.48.0	11.14.48.0
Windows* 32bit (NDIS 6.2)	PCI-E	e1y6232.sys	10.1.14.0	10.1.17.0	10.1.17.0	10.1.17.0
Windows* x64 (NDIS 5.1)	PCI-E	e1e5132e.sys	9.15.11.0	9.15.11.0	9.15.11.0	9.15.17.0
Windows* x64 (NDIS 5.1)	PCI-E	e1k51x54.sys	11.13.51.0	11.13.51.0	11.16.87.0	11.16.87.0
Windows* x64 (NDIS 5.1)	PCI-E	e1r5132.sys	11.14.48.0	11.14.48.0	11.14.48.0	11.14.48.0
Windows* x64 (NDIS 5.1)	PCI-E	e1q51x64.sys	11.14.48.0	11.14.48.0	11.14.48.0	11.17.27.0
Windows* x64 (NDIS 5.1)	PCI-E	e1c51x64.sys	11.13.51.0	11.15.12.0	11.16.96.0	11.16.96.0
Windows* x64 (NDIS 6)	PCI-E	e1e6032e.sys	9.15.11.0	9.15.11.0	9.15.11.0	9.15.17.0
Windows* x64 (NDIS 6)	PCI-E	e1g6032e.sys	8.3.15.0	8.3.15.0	8.3.15.0	8.3.15.0
Windows* x64 (NDIS 6)	PCI-E	e1k60x64.sys	10.4.19.0	10.4.19.0	10.4.19.0	10.4.19.0
Windows* x64 (NDIS 6)	PCI-E	e1q60x64.sys	11.14.48.0	11.14.48.0	11.14.48.0	11.17.27.0
Windows* x64 (NDIS 6)	PCI-E	e1c60x64.sys	11.13.51.0	11.15.12.0	11.16.96.0	11.16.96.0
Windows* x64 (NDIS 6)	PCI-E	e1r5132.sys	11.14.48.0	11.14.48.0	11.14.48.0	11.14.48.0
Windows* x64 (NDIS 6.2)	PCI-E	e1e62x64.sys	9.15.11.0	9.15.11.0	9.15.11.0	9.15.17.0
Windows* x64 (NDIS 6.2)	PCI-E	e1k62x64.sys	11.13.51.0	11.13.51.0	11.16.87.0	11.16.87.0
Windows* x64 (NDIS 6.2)	PCI-E	e1q62x64.sys	11.14.48.0	11.14.48.0	11.14.48.0	11.17.27.0
Windows* x64 (NDIS 6.2)	PCI-E	e1c62x64.sys	11.13.51.0	11.15.12.0	11.16.96.0	11.16.96.0
Windows* x64 (NDIS 6.2)	PCI-E	e1r5132.sys	11.14.48.0	11.14.48.0	11.14.48.0	11.14.48.0
Windows* x64 (NDIS 6.2)	PCI-E	e1y62x64.sys	10.1.14.0	10.1.17.0	10.1.17.0	10.1.17.0
Windows* x64 Virtual Function (NDIS 6.2)	PCI-E	v1q62x64.sys	1.4.0.0	1.4.0.0	1.4.0.0	1.4.0.0
Windows* 64bit Itanium (NDIS 5)	PCI	e1000645.sys	8.10.3.0	8.10.3.0	8.10.3.0	8.10.3.0
Windows* 64bit Itanium (NDIS 5.1)	PCI-E	e1e5164.sys	9.15.11.0	9.15.11.0	9.15.11.0	9.15.17.0
Windows* 64bit Itanium (NDIS 5.1)	PCI-E	e1q5164.sys	11.14.48.0	11.14.48.0	11.14.48.0	11.17.27.0
Windows* 64bit Itanium (NDIS 5.1)	PCI-E	e1r5132.sys	11.14.48.0	11.14.48.0	11.14.48.0	11.14.48.0

Windows* 64bit Itanium (NDIS 6)	PCI-E	e1e6064.sys	9.15.11.0	9.15.11.0	9.15.11.0	9.15.17.0
Windows* 64bit Itanium (NDIS 6)	PCI-E	e1g6064.sys	8.3.15.0	8.3.15.0	8.3.15.0	8.3.15.0
Windows* 64bit Itanium (NDIS 6)	PCI-E	e1q6064.sys	11.14.48.0	11.14.48.0	11.14.48.0	11.17.27.0
Windows* 64bit Itanium (NDIS 6)	PCI-E	e1r5132.sys	11.14.48.0	11.14.48.0	11.14.48.0	11.14.48.0
Windows* 64bit Itanium (NDIS 6.2)	PCI-E	e1e6264.sys	9.15.11.0	9.15.11.0	9.15.11.0	9.15.17.0
Windows* 64bit Itanium (NDIS 6.2)	PCI-E	e1k6264.sys	11.13.51.0	11.13.51.0	11.16.87.0	11.16.87.0
Windows* 64bit Itanium (NDIS 6.2)	PCI-E	e1r5132.sys	11.14.48.0	11.14.48.0	11.14.48.0	11.14.48.0
Windows* 7 and 2008R2	All	ANS	9.8.41.0	9.8.41.0	9.8.41.0	9.8.42.0
Windows* Vista and 2008	All	ANS	9.8.41.0	9.8.41.0	9.8.41.0	9.8.42.0
Windows* XP and 2003	All	ANS	8.6.38	8.6.38	8.6.40.0	8.6.41.0
FreeBSD* 7	PCI	em	7.2.4	7.2.4	7.2.4	7.3.4
FreeBSD* 7	PCI-E	igb	2.2.3	2.2.3	2.2.3	2.2.3
Linux*	PCI	e1000	8.0.30	8.0.30	8.0.30	8.0.30
Linux*	PCI-E	e1000e	1.6.3	1.9.5	1.10.6	1.11.3
Linux*	PCI-E	igb	3.2.10	3.2.10	3.2.10	3.4.7
Linux* (Virtual Function)	PCI-E	igbvf	1.1.5	1.1.5	1.1.5	2.0.4
DOS	All	e1000.dos	5.68	5.72	5.72	5.79
DOS ODI	All	e1000odi.com	4.67	4.71	4.71	4.75
Netware*	PCI-E	e1000e.lan	10.53	10.53	10.53	10.53
Netware*	PCI-E	e1000q.lan	11.41	11.41	11.41	11.41
Windows* 2003 32/64bit	PCI-E	iSCSIDump.sys	2.1.26.0	2.1.27.1	2.1.27.1	2.1.28.04
Windows* 2003 32/64bit	PCI-E	iSSetup.sys	2.1.26.0	2.1.27.1	2.1.27.1	2.1.28.4
10/100 Mb						
Operating System	Bus	Component	Release 16.7 (Nov 10, 11)	Release 16.8 (Dec 15, 11)	Release 17.0 (Mar 23, 12)	Release 17.1 (Apr 24, 12)
Windows* 32bit (NDIS 5)	PCI	e100b325.sys	8.0.47.0	8.0.47.0	8.0.47.0	8.0.47.0
Windows* 32bit (NDIS 5)	PCI	e100a325.sys	8.0.47.0	8.0.47.0	8.0.47.0	8.0.47.0
Windows* 32bit (NDIS 5)	PCI	e100ant5.sys	8.0.47.0	8.0.47.0	8.0.47.0	8.0.47.0
Windows* 32bit (NDIS 5.1)	PCI	fe5132.sys	9.0.13.0	9.0.13.0	9.0.13.0	9.0.13.0
Windows* 32bit (NDIS 6.2)	PCI	fe6232.sys	9.0.13.0	9.0.13.0	9.0.13.0	9.0.13.0
Windows* x64 (NDIS 5.1)	PCI-E	eFE5b32e.sys	9.12.30.0	9.12.30.0	9.12.30.0	9.12.30.0

Windows* x64 (NDIS 5.1)	PCI	fei51x64.sys	9.0.13.0	9.0.13.0	9.0.13.0	9.0.13.0
Windows* x64 (NDIS 6.2)	PCI	fei62x64.sys	9.0.13.0	9.0.13.0	9.0.13.0	9.0.13.0
Windows* 64bit Itanium (NDIS 5)	PCI	e100a645.sys	8.0.47.0	8.0.47.0	8.0.47.0	8.0.47.0
Windows* 64bit Itanium (NDIS 5)	PCI	e100b645.sys	8.0.47.0	8.0.47.0	8.0.47.0	8.0.47.0
Windows*7 and 2008R2	All	ANS	9.8.40.0	9.8.40.0	9.8.40.0	9.8.42.0
Windows* Vista and 2008	All	ANS	9.8.40.0	9.8.40.0	9.8.40.0	9.8.42.0
Windows* XP and 2003 32/64bit	All	ANS	8.6.38	8.6.38	8.6.40.0	8.6.41.0
DOS	PCI	e100b.dos	4.59	4.59	4.59	4.59
DOS ODI	PCI	e100bodi.com	4.14	4.14	4.14	4.14

Utilities

Operating System	Bus	Component	Release 16.7	Release 16.8	Release 17.0	Release 17.1
			(Nov 10, 11)	(Dec 15, 11)	(Mar 23, 12)	(Apr 24, 12)
Windows* XP to 2008R2		PROSet	16.7.166.0	16.8.46.0	17.0.200.2	17.1.55.0
Windows 2003* 32/64bit	PCI-E	iSCSIBoot	2.1.26.0	2.1.27.1	2.1.27.1	2.1.28.4
Linux*	PCI-E	iSCSIBoot	R23	R23	R23	R23
SNMP	All	SNMP MIB	1.4.8	1.4.8	1.4.8	1.4.8

Boot Images & Drivers

Operating System	Bus	Component	Release 16.7	Release 16.8	Release 17.0	Release 17.1
			(Nov 10, 11)	(Dec 15, 11)	(Mar 23, 12)	(Apr 24, 12)
	All	iSCSI Boot Option ROM	2.7.91	2.7.97	2.7.97	2.7.111
	All	FCoE Option ROM	1.7.07	1.7.07	1.7.07	1.7.14
	All	Intel(R) Boot Agent XG	1.10.11	1.10.11	1.10.11	Removed
	All	Intel(R) Boot Agent GE	1.3.76	1.3.81	1.3.81	1.3.95
	All	Intel(R) Boot Agent XE	2.1.95	2.1.96	2.1.96	2.2.05
	All	Intel(R) Boot Agent FE	4.2.04	4.2.04	4.2.04	4.2.07
UEFI	All	UEFI x64 10 gigabit driver	2.8.01	2.9.01	3.0.01	3.1.10
UEFI	PCI	UEFI x64 PCI gigabit driver	3.5.14	3.5.14	3.5.14	3.5.15
UEFI	PCI-E	UEFI x64 PCI-E gigabit driver	4.8.01	4.9.00	4.9.01	5.0.12
UEFI	All	UEFI IA64 10 gigabit driver	2.8.01	2.9.01	3.0.01	3.1.10
UEFI	PCI	UEFI IA64 PCI gigabit driver	3.5.14	3.5.14	3.5.14	3.5.15

UEFI	PCI-E	UEFI IA64 PCI-E gigabit driver	4.8.01	4.9.00	4.9.01	5.0.12
------	-------	--------------------------------	--------	--------	--------	--------

*Other names and brands may be claimed as the property of others.
Microsoft, Windows, and the Windows logo are trademarks, or registered trademarks of Microsoft Corporation in the United States and/or other countries.