

RTX64 Supported Network Interface Cards

A listing of the NIC drivers that are provided with RTX64 for use with the RT-TCP/IP Stack.

NOTE: You can write your own custom drivers for NICs that are not included in this document.

Legend



This Network Interface card (NIC) has been tested using RTX64. The card has been tested for both Internet Protocol version 4 (IPv4) and next generation Internet Protocol version 6 (IPv6).



This NIC has been tested using RTX64. The manufacturer has listed this chipset as End-Of-Life, and it will likely be deprecated in a future release of RTX64.



This NIC has not been tested, but based on its chipset it should work correctly with RTX64.



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The device supports line-based interrupts only.


NOTE: All drivers support Link Status monitoring.

NOTE: All tested (✓ , ✓) drivers support Jumbo Packets except the Realtek RtRtl8168 driver.

NOTE: Windows uses the Device ID and Vendor ID when associating devices. The friendly name of a device in Windows may differ slightly from the corresponding name provided in this document.

Broadcom

Driver RtBCM supports:




Vendor ID	Device ID	Device Description	Minimum RTX64 Version	Status
0x14E4	0x1682	Broadcom NetXtreme 57762 Gigabit Ethernet	RTX64 2014 with Service Pack 2	










Intel










Driver RtI10GB supports:










NOTE: BETA support is available through the IntervalZero Support site.

NOTE: This driver has only been tested on RTX64 2014 with Service Pack 2, but it should be compatible with all versions of RTX64 2014.





Vendor ID	Device ID	Device Description	Minimum RTX64 Version	Status
0x8086	0x10C6	Intel® 82598 AF DUAL PORT 10GB Network Connection	RTX64 2014	
0x8086	0x10C7	Intel® 82598 AF SINGLE PORT 10GB Network Connection	RTX64 2014	
0x8086	0x10DD	Intel® 82598 EB CX4 10GB Network Connection	RTX64 2014	

Vendor ID	Device ID	Device Description	Minimum RTX64 Version	Status
0x8086	0x10C8	Intel® 82598 AT 10GB Network Connection	RTX64 2014	
0x8086	0x150B	Intel® 82598 AT2 10GB Network Connection	RTX64 2014	
0x8086	0x10B6	Intel® 82598 10GB Network Connection	RTX64 2014	
0x8086	0x10F1	Intel® 82598 DA DUAL PORT 10GB Network Connection	RTX64 2014	
0x8086	0x10EC	Intel® 82598 CX4 DUAL PORT 10GB Network Connection	RTX64 2014	
0x8086	0x10F4	Intel® 82598 EB XF LR 10GB Network Connection	RTX64 2014	
0x8086	0x10E1	Intel® 82598 SR DUAL PORT EM 10GB Network Connection	RTX64 2014	
0x8086	0x10DB	Intel® 82598 EB SFP LOM 10GB Network Connection	RTX64 2014	
0x8086	0x10F7	Intel® 82599 KX4 10GB Network Connection	RTX64 2014	









Vendor ID	Device ID	Device Description	Minimum RTX64 Version	Status
0x8086	0x1514	Intel® 82599 KX4 MEZZ 10GB Network Connection	RTX64 2014	
0x8086	0x10FB	Intel® 82599 SFP 10GB Network Connection	RTX64 2014	
0x8086	0x10FC	Intel® 82599 XAUI LOM 10GB Network Connection	RTX64 2014	
0x8086	0x10F9	Intel® 82599 CX4 10GB Network Connection	RTX64 2014	
0x8086	0x151C	Intel® 82599 T3 LOM 10GB Network Connection	RTX64 2014	
0x8086	0x10F8	Intel® 82599 COMBO BACKPLANE 10GB Network Connection	RTX64 2014	
0x8086	0x152A	Intel® 82599 BACKPLANE FCOE 10GB Network Connection	RTX64 2014	
0x8086	0x154D	Intel® 82599 SFP SF2 10GB Network Connection	RTX64 2014	
0x8086	0x1529	Intel® 82599 SFP FCOE 10GB Network Connection	RTX64 2014	

Vendor ID	Device ID	Device Description	Minimum RTX64 Version	Status
0x8086	0x1557	Intel® 82599 EN SFP 10GB Network Connection	RTX64 2014	
0x8086	0x154A	Intel® 82599 SFP SF QP 10GB Network Connection	RTX64 2014	
0x8086	0x1558	Intel® 82599 QSFP SF QP 10GB Network Connection	RTX64 2014	
0x8086	0x1528	Intel® X540 T 10GB Network Connection	RTX64 2014	
0x8086	0x1560	Intel® X540 T1 10GB Network Connection	RTX64 2014	
0x8086	0x1563	Intel® X550 T 10GB Network Connection	RTX64 2014	
0x8086	0x15AB	Intel® X550 EM X KR 10GB Network Connection	RTX64 2014	
0x8086	0x15AA	Intel® X550 EM X KX4 10GB Network Connection	RTX64 2014	
0x8086	0x15AD	Intel® X550 EM X 10G T 10GB Network Connection	RTX64 2014	






Driver RtlGB supports:

Vendor ID	Device ID	Device Description	Minimum RTX64 Version	Status
0x8086	0x1533	Intel® I210 T1 Copper-only Ethernet Controller	RTX64 2013 with Service Pack 1	
0x8086	0x1521	Intel® I350 Quad/Dual PCIe Copper Ethernet Controller NOTE: Although MSI-X is supported, it does not work correctly with this device. Use MSI instead.	RTX64 2013 with Service Pack 1	
0x8086	0x1523	Intel® I350 Quad/Dual PCIe 1000BASE-KX/BX Ethernet Controller NOTE: Although MSI-X is supported, it does not work correctly with this device. Use MSI instead.	RTX64 2013 with Service Pack 1 Update 1	
0x8086	0x1539	Intel® I211-AT Ethernet Controller	RTX64 2014	



Driver Rtl217 supports:




Vendor ID	Device ID	Device Description	Minimum RTX64 Version	Status
0x8086	0x153A	Intel® I217LM PHY 1000BASE with C220 Ethernet Controller	RTX64 2014 with Service Pack 2	
0x8086	0x153B	Intel® I217V PHY 1000BASE with C220 Ethernet Controller	RTX64 2014 with Service Pack 2	
0x8086	0x155A	Intel® I218LM PHY 1000BASE with Ethernet Controller	RTX64 2014 with Service Pack 2	
0x8086	0x1559	Intel® I218V PHY 1000BASE with Ethernet Controller	RTX64 2014 with Service Pack 2	
0x8086	0x15A3	Intel® I218V PHY 1000BASE with Ethernet Controller	RTX64 2014 with Service Pack 2	
0x8086	0x15A2	Intel® I218LM PHY 1000BASE with Ethernet Controller	RTX64 2014 with Service Pack 2	
0x8086	0x15A1	Intel® I218V PHY 1000BASE with Ethernet Controller	RTX64 2014 with Service Pack 2	
0x8086	0x15A0	Intel® I218LM PHY 1000BASE with Ethernet Controller	RTX64 2014 with Service Pack 2	

Driver Rt8257x supports:

Vendor ID	Device ID	Device Description	Minimum RTX64 Version	Status
0x8086	0x1526	Intel® Gigabit ET2 Quad Port Server Adapter	RTX64 2014 with Service Pack 2	
0x8086	0x10A7	Intel® 82575EB Gigabit Ethernet Controller	RTX64 2013	
0x8086	0x10c9	Intel® 82576 Gigabit ET/ET2/EF Server Adapter	RTX64 2013	
0x8086	0x10e6	Intel® 82576 Gigabit ET/ET2/EF Server Adapter	RTX64 2013	
0x8086	0x10e7	Intel® 82576 Gigabit ET/ET2/EF Server Adapter	RTX64 2013	



Driver Rt82580 supports:








Vendor ID	Device ID	Device Description	Minimum RTX64 Version	Status
0x8086	0x150E	Intel® 82580 Quad Port 10/100/1000 Mb/s Ethernet Controller	RTX64 2013	
0x8086	0x150F	Intel® 82580 Quad port 10/100/1000 Mb/s Ethernet Controller - Fiber	RTX64 2013	










Vendor ID	Device ID	Device Description	Minimum RTX64 Version	Status
0x8086	0x1510	Intel 82580 Quad port 10/100/1000 Mb/s Ethernet controller - 1000BASEKX/1000BASEBX Backplane	RTX64 2013	
0x8086	0x1511	Intel® 82580 Quad Port 10/100/1000 Mb/s Ethernet Controller - External SGMII PHY	RTX64 2013	
0x8086	0x1516	Intel® 82580 Dual port 10/100/1000 Mb/s Ethernet Controller - Copper	RTX64 2013	










Driver RtE1000 supports:




NOTE: The RtE1000 driver does not support shared line-based interrupts.

Vendor ID	Device ID	Device Description	Minimum RTX64 Version	Status
0x8086	0x1502	Intel® 82579 Ethernet Controller Integrated with the Intel C202 PCH, C216 PCH, or C220 PCH. NOTE: This controller does not work correctly on systems with the Intel C200 PCH.	RTX64 2014	
0x8086	0x1503	Intel® 82579V Gigabit Network Adapter	RTX64 2014	

Vendor ID	Device ID	Device Description	Minimum RTX64 Version	Status
0x8086	0x100E	Intel® 82540EM Pro 1000 MT Desktop NOTE: Although MSI/MSI-X is supported, it does not work correctly. Use the line-based interrupt type instead.	RTX64 2013	
0x8086	0x1010	Intel® PRO/1000 MT Dual Port Gigabit Ethernet Adapter NOTE: Although MSI/MSI-X is supported, it does not work correctly. Use the line-based interrupt type instead.	RTX64 2013	
0x8086	0x107C	Intel® 82541GI/82541PI LF Pro 1000 GT Desktop β	RTX64 2013	
0x8086	0x107D	Intel® 82572 PT Gigabit Ethernet Controller	RTX64 2013	
0x8086	0x109A	Intel® PRO/1000 PL Network Adapter	RTX64 2013	
0x8086	0x104B	Intel® 82566 DC Gigabit Ethernet Controller	RTX64 2013	
0x8086	0x10D3	Intel® 82574L Gigabit Ethernet Controller	RTX64 2013	

Vendor ID	Device ID	Device Description	Minimum RTX64 Version	Status
0x8086	0x1000	Intel® 82542 Gigabit Ethernet Controller	RTX64 2013	
0x8086	0x1004	Intel® 82543GC Gigabit Ethernet Controller Copper	RTX64 2013	
0x8086	0x1003	Intel® 82543PC Ethernet Controller Copper	RTX64 2013	
0x8086	0x100D	Intel® 82544GC LOM Gigabit Ethernet Controller	RTX64 2013	
0x8086	0x1015	Intel® 82540EM LOM Gigabit Ethernet Controller PRO/1000 MT Mobile Connection	RTX64 2013	
0x8086	0x1016	Intel® 82540EP LOM Gigabit Ethernet Controller	RTX64 2013	
0x8086	0x1017	Intel® 82540EP Gigabit Ethernet Controller LOM	RTX64 2013	
0x8086	0x101E	Intel® 82540EP LP Gigabit Ethernet Controller Mobile	RTX64 2013	
0x8086	0x100F	Intel® 82545EM Copper Gigabit Ethernet Controller PRO/1000 MT Gigabit Ethernet	RTX64 2013	

Vendor ID	Device ID	Device Description	Minimum RTX64 Version	Status
0x8086	0x1077	Intel® 82541GI/82541EI Mobile Gigabit Ethernet Controller	RTX64 2013	
0x8086	0x1051	Intel® PRO/100 VE Network Connection	RTX64 2013	
0x8086	0x108B	Intel® PRO/1000 PM Network Connection	RTX64 2013	
0x8086	0x108C	Intel® PRO/1000 PM Network Connection	RTX64 2013	
0x8086	0x105E	Intel® PRO/1000 PT Dual Port Ethernet Controller	RTX64 2013	
0x8086	0x105F	Intel® PRO/1000 PF Dual Port Server Adapter	RTX64 2013	
0x8086	0x1060	Intel® PRO/1000 PB Dual Port Server Connection	RTX64 2013	
0x8086	0x107E	Intel® PRO/1000 PF Network Connection	RTX64 2013	
0x8086	0x107F	Intel® PRO/1000 PB Server Connection	RTX64 2013	

Vendor ID	Device ID	Device Description	Minimum RTX64 Version	Status
0x8086	0x10B9	Intel® PRO/1000 PT Desktop Adapter	RTX64 2013	
0x8086	0x10a4	Intel® PRO/1000 PT Quad Port Server Adapter	RTX64 2013	
0x8086	0x150C	Intel® 82583 Gigabit Ethernet Controller	RTX64 2013	

Realtek

Driver RtRtl8168 supports:

NOTE: The RtRtl8168 driver does not support Jumbo Packets.

NOTE: Some users have experienced poor performance with the RTL8168/8111 controller, as well as issues transmitting and receiving data.

Vendor ID	Device ID	Device Description	Minimum RTX64 Version	Status
0x10EC realtek	0x8168	Realtek 8168/PCIe Ethernet Controller RTL8168/8111 RTL8168B/8111B RTL8168C/8111C/8111CP/8111D(L) RTL8168E/8111E/8111F RTL8111DP	RTX64 2013	