

RTX Supported Network Interface Cards

A listing of the NIC drivers that are provided with RTX 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 RTX. The card has been tested for both Internet Protocol version 4 (IPv4) and next generation Internet Protocol version 6 (IPv6).



This is a BETA NIC that has not yet been tested. Based on its chipset it should work correctly with RTX.



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



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



This NIC has not been tested, but based on its chipset it should work correctly with RTX. The manufacturer has listed this chipset as End-Of-Life, and it will likely be deprecated in a future release of RTX.



This NIC has been tested, but it does not work correctly with RTX.



Supports Message Signal Interrupt (MSI) configuration



Supports Message Signal Interrupt eXtended (MSI-x) configuration



MSI supported but does not work correctly – RTX driver uses line based interrupts



Supports jumbo frames (note some versions of the 82573 may not)



Not available

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.

Intel

Driver RtI217 supports:

Vendor ID	Device ID	Device Description	Minimum RTX Version	Status
0x8086	0x153b	Intel® I217-V Gigabit Ethernet Controller ±	RTX 2016	✓
0x8086	0x15a1	Intel® I218-V Ethernet Connection ±	RTX 2016	✓

Driver RtIGB supports:




Vendor ID	Device ID	Device Description	Minimum RTX Version	Status
0x8086	0x1533	Intel® I210 T1 Ethernet Server Adapter † ±	RTX 2012 Update 1	✓
0x8086	0x1521	Intel® I350 Quad/Dual PCIe Copper Ethernet Controller †	RTX 2016	✓
<p>NOTE: Although MSI-X is supported, it does not work correctly with this device. Use MSI instead. To do this, set PreferMsi to 1 for the device in the RtxTcpIp.ini file.</p>				
0x8086	0x1539	Intel® I211-AT Ethernet Controller † ±	RTX 2016	✓

Driver Rt8257x supports:





Vendor ID	Device ID	Device Description	Minimum RTX Version	Status
0x8086	0x1526	Intel® Gigabit ET2 Quad Port Server Adapter	RTX 2016	✓
0x8086	0x10e6	Intel® Gigabit EF FIBER Dual ⁺ _± _§	RTX 2016	✓
0x8086	0x10c9	Intel® 82576 Gigabit ET COPPER Dual Port Server Adapter ⁺ _± _§	RTX 2011 with SP1	✓
0x8086	0x10e6	Intel® 82576 Gigabit ET2 FIBER Quad Port Server Adapter ⁺ _± _§	RTX 2011 with SP1	✓
0x8086	0x10e7	Intel® 82576 Intel Gigabit EF SERDES Dual Port Server Adapter ⁺ _± _§	RTX 2011 with SP1	✓
0x8086	0x10a7	Intel® 82575EB Gigabit Ethernet Controller ⁺ _± _§	RTX 8.1.2 Update 5	⚠

Driver Rt82580 supports:






Vendor ID	Device ID	Device Description	Minimum RTX Version	Status
0x8086	0x150e	82580 Intel Ethernet Server Adapter 1340 ⁺ _± _§	RTX 2011 with SP1	✓
0x8086	0x150f	82580 Gigabit Fiber Network Connection [«] ⁺ _± _§	RTX 2011 with SP1	⚠

Vendor ID	Device ID	Device Description	Minimum RTX Version	Status
0x8086	0x1510	82580 Gigabit Backplane Connection « † ±	RTX 2011 with SP1	
0x8086	0x1511	82580 Gigabit SFP Connection « † ±	RTX 2011 with SP1	
0x8086	0x1516	82580 Gigabit Network Connection « † ±	RTX 2011 with SP1	

Driver RtE1000 supports:


Vendor ID	Device ID	Device Description	Minimum RTX 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.	RTX 2016	
0x8086	0x1503	Intel® 82579V Gigabit Network Adapter	RTX 2016	
0x8086	0x150C	82583 Gigabit Ethernet Controller	RTX 2012	
0x8086	0x10a4	82571 Gigabit PRO/1000PT Quad Port LP Server Adapter †	RTX 2011 with SP1	

Vendor ID	Device ID	Device Description	Minimum RTX Version	Status
0x8086	0x10d3	Intel® 82574L Gigabit Ethernet Controller † ± §	RTX 8.1.2 and later	✓
0x8086	0x104b	Intel® 82566 DC Gigabit Ethernet Controller †	RTX 8.0 and later	✓
0x8086	0x105e	Intel® 82571 PRO/1000 PT Dual Port Network Connection Gigabit Ethernet Controller † §	RTX 8.0 and later	✓
0x8086	0x107d	Intel® 82572 PT Gigabit Ethernet Controller † §	RTX 7.1 and later	✓
0x8086	0x109a	82573L Intel Motherboard D975XBX Intel PRO/1000 PL Network Adaptor Found on IBM ThinkPads T60s and X60s † §	RTX 7.1 and later	✓
0x8086	0x1051	82801EB/ER PRO/100 VE Network Connection	RTX 7.1 and later	⚠
0x8086	0x105e	82571EB COPPER	RTX 7.1 and later	⚠
0x8086	0x105f	82571EB FIBER	RTX 7.1 and later	⚠
0x8086	0x1060	82571EB SERDES	RTX 7.1 and later	⚠
0x8086	0x107d	82572EI Gigabit Ethernet Controller	RTX 7.1 and later	⚠

Vendor ID	Device ID	Device Description	Minimum RTX Version	Status
0x8086	0x107e	82571EI FIBER	RTX 7.1 and later	
0x8086	0x107f	82571EI SERDES	RTX 7.1 and later	
0x8086	0x10b9	82571EI	RTX 7.1 and later	
0x8086	0x1026	82545GM COPPER Gigabit Ethernet Controller Intel® PRO/1000 MT Server Adapter §	RTX 6.5 and later	
0x8086	0x1010	82546EB COPPER Dual Port Gigabit Ethernet Controller (Copper) Intel® PRO/1000 MT Dual Port Gigabit Ethernet Adapter §	RTX 6.5 and later	

Realtek

Driver RtRtl8168 supports:

Vendor ID	Device ID	Device Description	Minimum RTX Version	Status
0x10EC realtek	0x8168	Realtek RTL8168D/8111D Family PCI-E Gigabit Ethernet NIC (NDIS 6.20)	RTX 2011 with SP1 and later	
Only devices with these Hardware IDs are supported:				
<ul style="list-style-type: none"> • PCI\VEN_10EC&DEV_8168&SUBSYS_83A31043&REV_03) † ± • PCI\VEN_10EC&DEV_8168&SUBSYS_816810EC&REV_03) † ± 				