

## RTX Supported Network Interface Cards

The tables below list the NIC drivers that are provided with the RTX release. Note that you can write your own custom drivers for NICs that are not included in this document.

### Tested Cards

The following Network Interface cards (NICs) have been tested using RTX. Cards have been test for both Internet Protocol version 4 (IPv4) and next generation Internet Protocol version 6 (IPv6). All devices should support zero copy unless otherwise noted.

|   |   |
|---|---|
| Δ | Device does not support zero copy   |
| † | 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   |

### AMD

#### Driver RtAmd79C97 supports:

| Device Description                               | Device ID | Vendor ID | RTX Products Supported |
|--|-----------|-----------|------------------------|
| AMD 79C97i AMD PCNET Family PCI Ethernet Adapter | 0x2000    | 0x1022    | RTX 5.5 and later      |

### Digital Equipment Corporation

#### Driver RtDec21x4x supports:

| Device Description   | Device ID | Vendor ID      | RTX Products Supported |
|--|-----------|----------------|------------------------|
| DC21140 Digital DE500 PCI Fast Ethernet Controller D-Link DFE-530TX+ | 0x0009    | 0x1011, 0x11AD | RTX 5.5 and later      |

**HP****Driver Rt3c905 supports:**

| Device Description                                 | Device ID | Vendor ID | RTX Products Supported |
|--|-----------|-----------|------------------------|
| 3c905B-TX - 3com Fast Etherlink XL PCI<br>3C905x Δ | 0x9055    | 0x10B7    | RTX 5.5 and later      |
| 3c905C-TX - 3com Fast Etherlink XL PCI<br>3C905x Δ | 0x9200    | 0x10B7    | RTX 5.5 and later      |

**Intel****Driver Rt8257x supports:**

| Device Description                                    | Device ID | Vendor ID | RTX Products Supported |
|---|-----------|-----------|------------------------|
| 82576 Gigabit ET Dual Port Server Adapter † ± §       | 0x10c9    | 0x8086    | RTX 2011 with SP1      |
| 82576 Gigabit ET2 Quad Port Server Adapter † ± §      | 0x10e6    | 0x8086    | RTX 2011 with SP1      |
| 82576 Intel Gigabit EF Dual Port Server Adapter † ± § | 0x10e7    | 0x8086    | RTX 2011 with SP1      |

**Driver Rt82580 supports:**

| Device Description                             | Device ID | Vendor ID | RTX Products Supported |
|--|-----------|-----------|------------------------|
| 82580 Intel Ethernet Server Adapter 1340 † ± § | 0x150e    | 0x8086    | RTX 2011 with SP1      |

**Driver RtE1000 supports:**

| Device Description  | Device ID | Vendor ID | RTX Products Supported |
|---|-----------|-----------|------------------------|
| 82540EM Intel Pro 1000 MT Desktop * §   | 0x100E    | 0x8086    | RTX 6.5 and later      |
| 82545GM COPPER Gigabit Ethernet Controller. Intel PRO/1000 MT Server Adapter §  | 0x1026    | 0x8086    | RTX 6.5 and later      |
| 82546EB COPPER Dual Port Gigabit Ethernet Controller (Copper)<br>Intel PRO/1000 MT Dual Port Gigabit Ethernet Adapter § | 0x1010    | 0x8086    | RTX 6.5 and later      |
| 82541GI LF Intel Pro 1000 GT Desktop ,<br>82541PI §   | 0x107C    | 0x8086    | RTX 7.1 and later      |
| Intel® 82571 PRO/1000 PT Dual Port Network Connection Gigabit Ethernet Controller † §                                   | 0x105E    | 0x8086    | RTX 8.0 and later      |

| Device Description  | Device ID | Vendor ID | RTX Products Supported |
|---|-----------|-----------|------------------------|
| Intel® 82572 PT Gigabit Ethernet Controller † §   | 0x107D    | 0x8086    | RTX 7.1 and later      |
| 82573L Intel Motherboard D975XBX.<br>Intel PRO/1000 PL Network Adaptor Found on IBM ThinkPads T60s and X60s † § | 0x109A    | 0x8086    | RTX 7.1 and later      |
| Intel® 82566 DC Gigabit Ethernet Controller †   | 0x104B    | 0x8086    | RTX 8.0 and later      |
| Intel® 82574L Gigabit Ethernet Controller † ± §   | 0x10D3    | 0x8086    | RTX 8.1.2 and later    |

### Driver Rt8255x supports:

| Device Description  | Device ID | Vendor ID | RTX Products Supported |
|---|-----------|-----------|------------------------|
| 82557/8/9/0/1 Intel PRO/100 S Server Adapter (82550EY ) Same Device ID as 82558 | 0x1229    | 0x8086    | RTX 5.5 and later      |
| 82559 ER (8255xER/IT) Intel Fast Ethernet Controller                            | 0x1209    | 0x8086    | RTX 5.5 and later      |

## National Semiconductor

### Driver RtNs83815 supports:

| Device Description  | Device ID | Vendor ID | RTX Products Supported |
|---|-----------|-----------|------------------------|
| Ns83815 DP83815 Netgear FA311 – rev C1  | 0x0020    | 0x100B    | RTX 5.5 and later      |
| Ns83816 DP83816 Soekris Engineering lan1621 Two port 10/100 Mbit PCI Ethernet board | 0x0020    | 0x100B    | RTX 5.5 and later      |
| Ns83820 DP83820 ovislink GE2000N Gigabit PCI Adapter                                | 0x0022    | 0x100B    | RTX 7.1 and later      |

## Realtek

### Driver RtRtl81x9 supports:

| Device Description  | Device ID | Vendor ID  | RTX Products Supported |
|---|-----------|--|------------------------|
| 8139 8100 8169 8110 GigaFast EE110-AXP ,8139(c) (non plus)<br>D-Link DFE-530TX+ | 0x8139    | 0x10EC realtek,<br>0x1211 Generic,<br>0x1113 SMC,<br>0x1186 D-link | RTX 5.5 and later      |
| GigaFast GE1000-AXP 8169  | 0x8169    | 0x10EC realtek,<br>0x1211 Generic,<br>0x1113 SMC,<br>0x1183 D-link | RTX 7.1 and later      |

## VIA Technologies

### Driver Rt6105via supports:

| Device Description                             | Device ID | Vendor ID | RTX Products Supported |
|--|-----------|-----------|------------------------|
| 6105LOM Rhine III PCI Fast Ethernet Controller | 0x3106    | 0x1106    | RTX 7.1 and later      |

## Other

### Driver RtNE2k supports:

| Device Description  | Device ID                             | Vendor ID | RTX Products Supported |
|---------------------|---------------------------------------|-----------|------------------------|
| ISA card NEC 2000 Δ | ISAPNP\AXE2<br>201 - NE2000<br>ISAPNP |           | RTX 5.5 and later      |

## Additional Cards

The following Network Interface cards (NICs) have not been tested, but based on their chipset they should work correctly with RTX. All devices should support zero copy unless otherwise noted.

### Digital Equipment Corporation

#### Driver RtDec21x4x supports:

| Device Description   | Device ID | Vendor ID      | RTX Products Supported |
|--|-----------|----------------|------------------------|
| DC21041 Tulip Plus Ethernet Adapter                              | 0x0014    | 0x1011, 0x11AD | RTX 5.5 and later      |
| DC21142 PCI/CardBus 10/100 Mbit Ethernet Ctlr                    | 0x0019    | 0x1011, 0x11AD | RTX 5.5 and later      |
| NGMC169B 10/100 Ethernet (NetGear FA310TX) (k82c168)             | 0x0002    | 0x1011, 0x11AD | RTX 5.5 and later      |
| LC82C115 PNIC II PCI MAC/PHY LNE100TX Dual Fast Ethernet Adapter | 0xC115    | 0x1011, 0x11AD | RTX 5.5 and later      |

### Intel

#### Driver Rt82580 supports:

| Device Description                       | Device ID | Vendor ID | RTX Products Supported |
|--|-----------|-----------|------------------------|
| 82580 Gigabit Fiber Network Connection « | 0x150f    | 0x8086    | RTX 2011 with SP1      |
| 82580 Gigabit Backplane Connection «     | 0x1510    | 0x8086    | RTX 2011 with SP1      |
| 82580 Gigabit SFP Connection «           | 0x1511    | 0x8086    | RTX 2011 with SP1      |
| 82580 Gigabit Network Connection «       | 0x1516    | 0x8086    | RTX 2011 with SP1      |

#### Driver RtE1000 supports:

| Device Description                           | Device ID | Vendor ID | RTX Products Supported |
|--|-----------|-----------|------------------------|
| 82542 Gigabit Ethernet Controller            | 0x1000    | 0x8086    | RTX 6.5.1 and later    |
| 82543GC Gigabit Ethernet controller (COPPER) | 0x1004    | 0x8086    | RTX 6.5.1 and later    |
| 82543PC (COPPER)                             | 0x1003    | 0x8086    | RTX 6.5.1 and later    |

| <b>Device Description</b>   | <b>Device ID</b> | <b>Vendor ID</b> | <b>RTX Products Supported</b> |
|---|------------------|------------------|-------------------------------|
| 82544GC LOM Gigabit Ethernet Controller (LOM), mostly found on motherboard                                  | 0x100D           | 0x8086           | RTX 6.5.1 and later           |
| 82540EM LOM Gigabit Ethernet Controller (LOM), mostly found on motherboard<br>PRO/1000 MT Mobile Connection | 0x1015           | 0x8086           | RTX 6.5.1 and later           |
| 82540EP LOM Gigabit Ethernet Controller (LOM), mostly found on motherboard                                  | 0x1016           | 0x8086           | RTX 6.5.1 and later           |
| 82540EP Gigabit Ethernet Controller (LOM), mostly found on motherboard                                      | 0x1017           | 0x8086           | RTX 6.5.1 and later           |
| 82540EP LP Gigabit Ethernet Controller (Mobile), can be found on IBM T42 Laptop                             | 0x101E           | 0x8086           | RTX 6.5.1 and later           |
| 82545EM COPPER Gigabit Ethernet Controller (copper) Intel PRO/1000 MT Gigabit Ethernet Adapter              | 0x100F           | 0x8086           | RTX 6.5.1 and later           |
| 82541EI MOBILE Intel PRO/1000 MT Mobile connection  | 0x1018           | 0x8086           | RTX 7.1 and later             |
| 82541GI MOBILE Gigabit Ethernet Controller 82541EI  | 0x1077           | 0x8086           | RTX 7.1 and later             |
| 82547EI Gigabit Ethernet Controller (LOM) PRO/1000 CT Network Connection                                    | 0x1019           | 0x8086           | RTX 7.1 and later             |
| 82801EB/ER PRO/100 VE Network Connection  | 0x1051           | 0x8086           | RTX 7.1 and later             |
| 82573E (PC82573V) Intel network controller (PCIE Gigabit Ethernet)  | 0x108B           | 0x8086           | RTX 7.1 and later             |
| 82573E IAMT   | 0x108C           | 0x8086           | RTX 7.1 and later             |
| 82571EB COPPER  | 0x105E           | 0x8086           | RTX 7.1 and later             |
| 82571EB FIBER   | 0x105F           | 0x8086           | RTX 7.1 and later             |
| 82571EB SERDES  | 0x1060           | 0x8086           | RTX 7.1 and later             |
| 82571EI COPPER  | 0x107D           | 0x8086           | RTX 7.1 and later             |
| 82571EI FIBER   | 0x107E           | 0x8086           | RTX 7.1 and later             |
| 82571EI SERDES  | 0x107F           | 0x8086           | RTX 7.1 and later             |
| 82571EI   | 0x10B9           | 0x8086           | RTX 7.1 and later             |
| 82571 Gigabit PRO/1000PT Quad Port LP Server Adapter  | 0x10a4           | 0x8086           | RTX 2011 with SP1             |

**Driver Rt8255x supports:**

| Device Description   | Device ID | Vendor ID | RTX Products Supported |
|--|-----------|-----------|------------------------|
| 81559 (825593)   | 0x1030    | 0x8086    | RTX 7.1 and later      |
| 82562 (82559ER) Integrated 10Base-T/100Base-TX Ethernet Controller | 0x2449    | 0x8086    | RTX 7.1 and later      |

**Marvell****Driver RtMarvell88Ex supports:**

| Device Description                              | Device ID | Vendor ID | RTX Products Supported      |
|---|-----------|-----------|-----------------------------|
| Marvell Yukon 88E8053 based Ethernet Controller | 0x4362    | 0x11AB    | RTX 2009 with SP2 and later |

**Realtek****Driver RtRtl81x9 supports:**

| Device Description                      | Device ID | Vendor ID  | RTX Products Supported |
|---|-----------|--|------------------------|
| RTL8129 10/100 Fast Ethernet Controller | 0x8129    | 0x10EC realtek,<br>0x1211 Generic,<br>0x1113 SMC,<br>0x1183 D-link | RTX 5.5 and later      |
| D-Link 530TX+                           | 0x1300    | 0x10EC realtek,<br>0x1211 Generic,<br>0x1113 SMC,<br>0x1183 D-link | RTX 5.5 and later      |
| D-Link DGE-528T                         | 0x4300    | 0x10EC realtek,<br>0x1211 Generic,<br>0x1113 SMC,<br>0x1183 D-link | RTX 5.5 and later      |
| EN5038a1                                | 0x1211    | 0x10EC realtek,<br>0x1211 Generic,<br>0x1113 SMC,<br>0x1183 D-link | RTX 5.5 and later      |

## VIA Technologies

### Driver Rt6105via supports:

| Device Description  | Device ID | Vendor ID | RTX Products Supported |
|---|-----------|-----------|------------------------|
| 6102 Rhine II D-Link DFE-530TX, Rhine II PCI Fast Ethernet Controller | 0x3065    | 0x1106    | RTX 7.1 and later      |
| 86C100A Rhine PCI Fast SATA Ethernet Controller                       | 0x6100    | 0x1106    | RTX 7.1 and later      |

## Unsupported Cards

The following Network Interface cards (NICs) have been tested and do not currently work correctly with RTX.

### Intel

#### Driver RtE1000 unsupported:

| Device Description                          | Device ID | Vendor ID | RTX Products Supported |
|---|-----------|-----------|------------------------|
| Intel® 82566 DM Gigabit Ethernet Controller | 0x104A    | 0x8086    | Not supported          |
| Intel® 82566 MM Gigabit Ethernet Controller | 0x1049    | 0x8086    | Not supported          |