

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 3C905x Δ	0x9055	0x10B7	RTX 5.5 and later
3c905C-TX - 3com Fast Etherlink XL PCI 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) Intel PRO/1000 MT Dual Port Gigabit Ethernet Adapter §	0x1010	0x8086	RTX 6.5 and later
82541GI LF Intel Pro 1000 GT Desktop , 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. 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) D-Link DFE-530TX+	0x8139	0x10EC realtek, 0x1211 Generic, 0x1113 SMC, 0x1183 D-link	RTX 5.5 and later
GigaFast GE1000-AXP 8169	0x8169	0x10EC realtek, 0x1211 Generic, 0x1113 SMC, 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 201 - NE2000 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

Device Description	Device ID	Vendor ID	RTX Products Supported
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 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, 0x1211 Generic, 0x1113 SMC, 0x1183 D-link	RTX 5.5 and later
D-Link 530TX+	0x1300	0x10EC realtek, 0x1211 Generic, 0x1113 SMC, 0x1183 D-link	RTX 5.5 and later
D-Link DGE-528T	0x4300	0x10EC realtek, 0x1211 Generic, 0x1113 SMC, 0x1183 D-link	RTX 5.5 and later
EN5038a1	0x1211	0x10EC realtek, 0x1211 Generic, 0x1113 SMC, 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