

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)

Driver RtRtl81x9 supports:

(Vendor ID 0x10EC realtek, 0x1211 Generic, 0x1113 SMC , 0x1183 D-link)

Device ID	Device Description	Version Added
0x8139	8139 8100 8169 8110 GigaFast EE110-AXP ,8139(c) (non plus) D-Link DFE-530TX+	5.5
0x8169	GigaFast GE1000-AXP 8169	7.1

Driver Rt6105via supports:

(Vendor ID 0x1106)

Device ID	Device Description	Version Added
0x3106	6105LOM Rhine III PCI Fast Ethernet Controller	7.1

Driver RtDec21x4x supports:

(Vendor ID 0x1011, 0x11AD)

Device ID	Device Description	Version Added
0x0009	DC21140 Digital DE500 PCI Fast Ethernet Controller	5.5

Driver RtE1000 supports:

(Vendor ID 0x8086)

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Device ID	Device Description	Version Added
0x100E	82540EM Intel Pro 1000 MT Desktop * §	6.5
0x1026	82545GM COPPER Gigabit Ethernet Controller. Intel PRO/1000 MT Server Adapter §	6.5
0x1010	82546EB COPPER Dual Port Gigabit Ethernet Controller (Copper) Intel PRO/1000 MT Dual Port Gigabit Ethernet Adapter §	6.5
0x107C	82541GI LF Intel Pro 1000 GT Desktop , 82541PI §	7.1
0x105E	Intel® 82571 PRO/1000 PT Dual Port Network Connection Gigabit Ethernet Controller † §	8.0
0x10A4	Intel® 82571 PRO/1000 PT Quad Port Network Connection Gigabit Ethernet Controller † §	8.0
0x107D	Intel® 82572 PT Gigabit Ethernet Controller † §	7.1
0x109A	82573L Intel Motherboard D975XBX. Intel PRO/1000 PL Network Adaptor Found on IBM ThinkPads T60s and X60s † §	7.1
0x104B	Intel® 82566 DC Gigabit Ethernet Controller †	8.0
0x10D3	Intel® 82574L Gigabit Ethernet Controller † ± §	8.1.2

**Driver RtAmd79C97 supports:
(Vendor ID 0x1022)**

Device ID	Device Description	Version Added
0x2000	AMD 79C97i AMD PCNET Family PCI Ethernet Adapter	5.5

**Driver RtNs83815 supports:
(Vendor ID 0x100B)**

Device ID	Device Description	Version Added
0x0020	Ns83815 DP83815 Netgear FA311 – rev C1	5.5
0x0020	Ns83816 DP83816 Soekris Engineering lan1621 Two port 10/100 Mbit PCI Ethernet board	5.5
0x0022	Ns83820 DP83820 ovislink GE2000N Gigabit PCI Adapter	7.1

**Driver Rt8255x supports:
(Vendor ID 0x8086)**

Device ID	Device Description	Version Added
0x1229	82557/8/9/0/1 Intel PRO/100 S Server Adapter (82550EY) Same Device ID as 82558	5.5
0x1209	82559 ER (8255xER/IT) Intel Fast Ethernet Controller	5.5

**Driver Rt3c905 supports:
(Vendor ID 0x10B7)**

Device ID	Device Description	Version Added
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0x9055	3c905B-TX - 3com Fast Etherlink XL PCI 3C905x Δ	5.5
0x9200	3c905C-TX - 3com Fast Etherlink XL PCI 3C905x Δ	5.5

Driver RtNE2k supports:

Device ID	Device Description	Version Added
ISAPNP\AXE 2201 - NE2000 ISAPNP	ISA card NEC 2000 Δ	5.5

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.

Driver RtRtl81x9 supports:

(Vendor ID 0x10EC realtek, 0x1211 Generic, 0x1113 SMC , 0x1183 D-link)

Device ID	Device Description	Version Added
0x8129	RTL8129 10/100 Fast Ethernet Controller	5.5
0x1300	D-Link 530TX+	5.5
0x4300	D-Link DGE-528T	5.5
0x1211	EN5038a1 Some generic brand, driver says SMC.	5.5

Driver Rt6105via supports:

(Vendor ID 0x1106)

Device ID	Device Description	Version Added
0x3065	6102 Rhine II D-Link DFE-530TX, Rhine II PCI Fast Ethernet Controller	7.1
0x6100	86C100A Rhine PCI Fast SATA Ethernet Controller	7.1

**Driver RtDec21x4x supports:
(Vendor ID 0x1011, 0x11AD)**

Device ID	Device Description	Version Added
0x0014	DC21041 Tulip Plus Ethernet Adapter	5.5
0x0019	DC21142 PCI/CardBus 10/100 Mbit Ethernet Ctlr	5.5
0x0002	NGMC169B 10/100 Ethernet (NetGear FA310TX) (k82c168)	5.5
0xC115	LC82C115 PNIC II PCI MAC/PHY LNE100TX Dual Fast Ethernet Adapter	5.5

**Driver RtE1000 supports:
(Vendor ID 0x8086)**

Device ID	Device Description	Version Added
0x1000	82542 Gigabit Ethernet Controller	6.5.1
0x1004	82543GC Gigabit Ethernet controller (COPPER)	6.5.1
0x1003	82543PC (COPPER).	6.5.1
0x100C	82544GC COPPER. Gigabit Ethernet Controller (COPPER) Intel PRO/1000 T Gigabit Ethernet Adapter	6.5.1
0x100D	82544GC LOM Gigabit Ethernet Controller (LOM) Mostly found on motherboard.	6.5.1
0x1015	82540EM LOM Gigabit Ethernet Controller (LOM) Mostly found on motherboard. PRO/1000 MT Mobile Connection	6.5.1
0x1016	82540EP LOM Gigabit Ethernet Controller (LOM) Mostly found on motherboard.	6.5.1
0x1017	82540EP Gigabit Ethernet Controller (LOM) Mostly found on motherboard.	6.5.1
0x101E	82540EP LP Gigabit Ethernet Controller (Mobile). Can be found on IBM T42 Laptop	6.5.1
0x100F	82545EM COPPER Gigabit Ethernet Controller (copper) Intel PRO/1000 MT Gigabit Ethernet Adapter	6.5.1
0x1018	82541EI MOBILE Intel PRO/1000 MT Mobile connection	7.1
0x1077	82541GI MOBILE Gigabit Ethernet Controller 82541EI	7.1
0x1019	82547EI Gigabit Ethernet Controller (LOM) PRO/1000 CT Network Connection.	7.1
0x1051	82801EB/ER PRO/100 VE Network Connection	7.1
0x108B	82573E (PC82573V) Intel network controller (PCIe Gigabit Ethernet)	7.1
0x108C	82573E IAMT	7.1
0x105E	82571EB COPPER	7.1
0x105F	82571EB FIBER	7.1
0x1060	82571EB SERDES	7.1
0x107D	82571EI COPPER	7.1

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Device ID	Device Description	Version Added
0x107E	82571EI FIBER	7.1
0x107F	82571EI SERDES	7.1
0x10B9	82571EI	7.1

**Driver Rt8255x supports:
(Vendor ID 0x8086)**

Device ID	Device Description	Version Added
0x1030	81559 (825593)	7.1
0x2449	82562 (82559ER) Integrated 10Base-T/100Base-TX Ethernet Controller	7.1

**Driver RtMarvell88Ex supports:
(Vendor ID 0x11AB)**

Device ID	Device Description	Version Added
0x4362	Marvell Yukon 88E8053 based Ethernet Controller	9.1.2

Unsupported Cards

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

**Driver RtE1000 unsupported:
(Vendor ID 0x8086)**

Device ID	Device Description
0x104A	Intel® 82566 DM Gigabit Ethernet Controller
0x1049	Intel® 82566 MM Gigabit Ethernet Controller