

# KINGSTAR 3.0

## SUPPORTED NETWORK INTERFACE CARDS

KS-DOC-x64-0007-R12



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# Network interface cards

This section contains a list of NICs compatible with KINGSTAR.

## Legend










| Status  | Description  |
|---|--|
|    | This tested adapter or controller works with KINGSTAR.   |
|    | This adapter or controller was tested using KINGSTAR. The manufacturer has listed this chipset as End-Of-Life, and it will likely be deprecated in a future release of KINGSTAR. |
|    | Although this adapter or controller was not tested with KINGSTAR, it should work correctly.  |
|  | The device supports line-based interrupts only.  |










## Broadcom











| Vendor ID | Device ID | Device Description                        | Minimum KingStar Version | Status  |
|-----------|-----------|---|--------------------------|---|
| 0x14E4    | 0x1682    | Broadcom NetXtreme 57762 Gigabit Ethernet | 2.3                      |  |



## Intel





**NOTE:** BETA support is available through the [IntervalZero Support](#) site.

| <b>Vendor ID</b> | <b>Device ID</b> | <b>Device Description</b>                           | <b>Minimum KingStar Version</b> | <b>Status</b>   |
|------------------|------------------|---|---------------------------------|---|
| 0x8086           | 0x10C6           | Intel® 82598 AF DUAL PORT 10GB Network Connection   | 2.0                             |    |
| 0x8086           | 0x10C7           | Intel® 82598 AF SINGLE PORT 10GB Network Connection | 2.0                             |    |
| 0x8086           | 0x10DD           | Intel® 82598 EB CX4 10GB Network Connection         | 2.0                             |    |
| 0x8086           | 0x10C8           | Intel® 82598 AT 10GB Network Connection             | 2.0                             |    |
| 0x8086           | 0x150B           | Intel® 82598 AT2 10GB Network Connection            | 2.0                             |   |
| 0x8086           | 0x10B6           | Intel® 82598 10GB Network Connection                | 2.0                             |  |
| 0x8086           | 0x10F1           | Intel® 82598 DA DUAL PORT 10GB Network Connection   | 2.0                             |  |
| 0x8086           | 0x10EC           | Intel® 82598 CX4 DUAL PORT 10GB Network Connection  | 2.0                             |  |
| 0x8086           | 0x10F4           | Intel® 82598 EB XF LR 10GB Network Connection       | 2.0                             |  |









| <b>Vendor ID</b> | <b>Device ID</b> | <b>Device Description</b>                            | <b>Minimum KingStar Version</b> | <b>Status</b>   |
|------------------|------------------|--|---------------------------------|---|
| 0x8086           | 0x10E1           | Intel® 82598 SR DUAL PORT EM 10GB Network Connection | 2.0                             |    |
| 0x8086           | 0x10DB           | Intel® 82598 EB SFP LOM 10GB Network Connection      | 2.0                             |    |
| 0x8086           | 0x10F7           | Intel® 82599 KX4 10GB Network Connection             | 2.0                             |    |
| 0x8086           | 0x1514           | Intel® 82599 KX4 MEZZ 10GB Network Connection        | 2.0                             |    |
| 0x8086           | 0x10FB           | Intel® 82599 SFP 10GB Network Connection             | 2.0                             |   |
| 0x8086           | 0x10FC           | Intel® 82599 XAUI LOM 10GB Network Connection        | 2.0                             |  |
| 0x8086           | 0x10F9           | Intel® 82599 CX4 10GB Network Connection             | 2.0                             |  |
| 0x8086           | 0x151C           | Intel® 82599 T3 LOM 10GB Network Connection          | 2.0                             |  |
| 0x8086           | 0x10F8           | Intel® 82599 COMBO BACKPLANE 10GB Network Connection | 2.0                             |  |


| Vendor ID | Device ID | Device Description                                  | Minimum KingStar Version | Status  |
|-----------|-----------|---|--------------------------|---|
| 0x8086    | 0x152A    | Intel® 82599 BACKPLANE FCOE 10GB Network Connection | 2.0                      |    |
| 0x8086    | 0x154D    | Intel® 82599 SFP SF2 10GB Network Connection        | 2.0                      |    |
| 0x8086    | 0x1529    | Intel® 82599 SFP FCOE 10GB Network Connection       | 2.0                      |    |
| 0x8086    | 0x1557    | Intel® 82599 EN SFP 10GB Network Connection         | 2.0                      |    |
| 0x8086    | 0x154A    | Intel® 82599 SFP SF QP 10GB Network Connection      | 2.0                      |   |
| 0x8086    | 0x1558    | Intel® 82599 QSFP SF QP 10GB Network Connection     | 2.0                      |  |
| 0x8086    | 0x1528    | Intel® X540 T 10GB Network Connection               | 2.0                      |  |
| 0x8086    | 0x1560    | Intel® X540 T1 10GB Network Connection              | 2.0                      |  |
| 0x8086    | 0x1563    | Intel® X550 T 10GB Network Connection               | 2.0                      |  |
| 0x8086    | 0x15AB    | Intel® X550 EM X KR 10GB Network Connection         | 2.0                      |  |





| Vendor ID | Device ID | Device Description                             | Minimum KingStar Version | Status  |
|-----------|-----------|--|--------------------------|---|
| 0x8086    | 0x15AA    | Intel® X550 EM X KX4 10GB Network Connection   | 2.0                      |  |
| 0x8086    | 0x15AD    | Intel® X550 EM X 10G T 10GB Network Connection | 2.0                      |  |






| Vendor ID | Device ID | Device Description   | Minimum KingStar Version | Status  |
|-----------|-----------|--|--------------------------|---|
| 0x8086    | 0x1533    | Intel® I210 T1 Copper-only Ethernet Controller   | 1.0                      |    |
| 0x8086    | 0x1521    | Intel® I350 Quad/Dual PCIe Copper Ethernet Controller<br><br><b>NOTE:</b> Although MSI-X is supported, it does not work correctly with this device. Use MSI instead.         | 1.0                      |   |
| 0x8086    | 0x1523    | Intel® I350 Quad/Dual PCIe 1000BASE-KX/BX Ethernet Controller<br><br><b>NOTE:</b> Although MSI-X is supported, it does not work correctly with this device. Use MSI instead. | 1.0                      |  |
| 0x8086    | 0x1539    | Intel® I211-AT Ethernet Controller   | 2.0                      |  |













| Vendor ID | Device ID | Device Description                                       | Minimum KingStar Version | Status  |
|-----------|-----------|--|--------------------------|---|
| 0x8086    | 0x153A    | Intel® I217LM PHY 1000BASE with C220 Ethernet Controller | 2.3                      |    |
| 0x8086    | 0x153B    | Intel® I217V PHY 1000BASE with C220 Ethernet Controller  | 2.3                      |    |
| 0x8086    | 0x155A    | Intel® I218LM PHY 1000BASE with Ethernet Controller      | 2.3                      |    |
| 0x8086    | 0x1559    | Intel® I218V PHY 1000BASE with Ethernet Controller       | 2.3                      |    |
| 0x8086    | 0x15A3    | Intel® I218V PHY 1000BASE with Ethernet Controller       | 2.3                      |   |
| 0x8086    | 0x15A2    | Intel® I218LM PHY 1000BASE with Ethernet Controller      | 2.3                      |  |
| 0x8086    | 0x15A1    | Intel® I218V PHY 1000BASE with Ethernet Controller       | 2.3                      |  |
| 0x8086    | 0x15A0    | Intel® I218LM PHY 1000BASE with Ethernet Controller      | 2.3                      |  |









| Vendor ID | Device ID | Device Description                          | Minimum KingStar Version | Status  |
|-----------|-----------|---|--------------------------|---|
| 0x8086    | 0x1526    | Intel® Gigabit ET2 Quad Port Server Adapter | 2.3                      |  |

| Vendor ID | Device ID | Device Description                            | Minimum KingStar Version | Status  |
|-----------|-----------|---|--------------------------|---|
| 0x8086    | 0x10A7    | Intel® 82575EB Gigabit Ethernet Controller    | 1.0                      |  |
| 0x8086    | 0x10c9    | Intel® 82576 Gigabit ET/ET2/EF Server Adapter | 1.0                      |  |
| 0x8086    | 0x10e6    | Intel® 82576 Gigabit ET/ET2/EF Server Adapter | 1.0                      |  |
| 0x8086    | 0x10e7    | Intel® 82576 Gigabit ET/ET2/EF Server Adapter | 1.0                      |  |

| Vendor ID | Device ID | Device Description   | Minimum KingStar Version | Status  |
|-----------|-----------|--|--------------------------|---|
| 0x8086    | 0x150E    | Intel® 82580 Quad Port 10/100/1000 Mb/s Ethernet Controller                                  | 1.0                      |  |
| 0x8086    | 0x150F    | Intel® 82580 Quad port 10/100/1000 Mb/s Ethernet Controller - Fiber                          | 1.0                      |  |
| 0x8086    | 0x1510    | Intel 82580 Quad port 10/100/1000 Mb/s Ethernet controller - 1000BASEKX/1000BASEBX Backplane | 1.0                      |  |
| 0x8086    | 0x1511    | Intel® 82580 Quad Port 10/100/1000 Mb/s Ethernet Controller - External SGMII PHY             | 1.0                      |  |
| 0x8086    | 0x1516    | Intel® 82580 Dual port 10/100/1000 Mb/s Ethernet Controller - Copper                         | 1.0                      |  |


| Vendor ID | Device ID | Device Description  | Minimum KingStar Version | Status |
|-----------|-----------|---|--------------------------|--------|
| 0x8086    | 0x1502    | Intel® 82579 Ethernet Controller<br>Integrated with the Intel C202 PCH, C216 PCH, or C220 PCH<br><br><b>NOTE:</b> This controller does not work correctly on systems with the Intel C200 PCH. | 2.0                      | ✓      |
| 0x8086    | 0x1503    | Intel® 82579V Gigabit Network Adapter   | 2.0                      | ⚠      |
| 0x8086    | 0x100E    | Intel® 82540EM Pro 1000 MT Desktop<br><br><b>NOTE:</b> Although MSI/MSI-X is supported, it does not work correctly. Use the line-based interrupt type instead.                                | 1.0                      | ✓      |
| 0x8086    | 0x1010    | Intel® PRO/1000 MT Dual Port Gigabit Ethernet Adapter<br><br><b>NOTE:</b> Although MSI/MSI-X is supported, it does not work correctly. Use the line-based interrupt type instead.             | 1.0                      | ⚠      |
| 0x8086    | 0x107C    | Intel® 82541GI/82541PI LF Pro 1000 GT Desktop<br><br>β  | 1.0                      | ✓      |
| 0x8086    | 0x107D    | Intel® 82572 PT Gigabit Ethernet Controller   | 1.0                      | ✓      |
| 0x8086    | 0x109A    | Intel® PRO/1000 PL Network Adapter  | 1.0                      | ✓      |

| Vendor ID | Device ID | Device Description   | Minimum KingStar Version | Status  |
|-----------|-----------|--|--------------------------|---|
| 0x8086    | 0x104B    | Intel® 82566 DC Gigabit Ethernet Controller                                  | 1.0                      |    |
| 0x8086    | 0x10D3    | Intel® 82574L Gigabit Ethernet Controller                                    | 1.0                      |    |
| 0x8086    | 0x1015    | Intel® 82540EM LOM Gigabit Ethernet Controller PRO/1000 MT Mobile Connection | 1.0                      |    |
| 0x8086    | 0x1016    | Intel® 82540EP LOM Gigabit Ethernet Controller                               | 1.0                      |    |
| 0x8086    | 0x1017    | Intel® 82540EP Gigabit Ethernet Controller LOM                               | 1.0                      |    |
| 0x8086    | 0x101E    | Intel® 82540EP LP Gigabit Ethernet Controller Mobile                         | 1.0                      |  |
| 0x8086    | 0x1077    | Intel® 82541GI/82541EI Mobile Gigabit Ethernet Controller                    | 1.0                      |  |
| 0x8086    | 0x1051    | Intel® PRO/100 VE Network Connection   | 1.0                      |  |
| 0x8086    | 0x108B    | Intel® PRO/1000 PM Network Connection  | 1.0                      |  |
| 0x8086    | 0x108C    | Intel® PRO/1000 PM Network Connection  | 1.0                      |  |

| Vendor ID | Device ID | Device Description                               | Minimum KingStar Version | Status  |
|-----------|-----------|--|--------------------------|---|
| 0x8086    | 0x105E    | Intel® PRO/1000 PT Dual Port Ethernet Controller | 1.0                      |    |
| 0x8086    | 0x105F    | Intel® PRO/1000 PF Dual Port Server Adapter      | 1.0                      |    |
| 0x8086    | 0x1060    | Intel® PRO/1000 PB Dual Port Server Connection   | 1.0                      |    |
| 0x8086    | 0x107E    | Intel® PRO/1000 PF Network Connection            | 1.0                      |    |
| 0x8086    | 0x107F    | Intel® PRO/1000 PB Server Connection             | 1.0                      |   |
| 0x8086    | 0x10B9    | Intel® PRO/1000 PT Desktop Adapter               | 1.0                      |  |
| 0x8086    | 0x10a4    | Intel® PRO/1000 PT Quad Port Server Adapter      | 1.0                      |  |
| 0x8086    | 0x150C    | Intel® 82583 Gigabit Ethernet Controller         | 1.0                      |  |

## Realtek

**NOTE:** Some users have experienced poor performance with the RTL8168/8111 controller, as well as issues transmitting and receiving data. If you're experiencing performance issues with this controller, email us to get further assistance.

| <b>Vendor ID</b>  | <b>Device ID</b> | <b>Device Description</b>  | <b>Minimum KingStar Version</b> | <b>Status</b>   |
|-------------------|------------------|--|---------------------------------|---|
| 0x10EC<br>Realtek | 0x8168           | Realtek 8168/PCIe Ethernet Controller<br>RTL8168/8111<br>RTL8168B/8111B<br>RTL8168C/8111C/8111CP/8111D(L)<br>RTL8168E/8111E/8111F<br>RTL8111DP | 1.0                             |  |

# Get support

KINGSTAR offers a number of support options for KINGSTAR users, including third-party, online and phone support.

## Third-party support

If you are a customer who purchased a KINGSTAR product through a third-party reseller, contact the reseller for support.

## Online support

The KINGSTAR Customer Support web page is located at:

<http://kingstar.com/support/>

The KINGSTAR support web pages provide electronic access to the latest product releases, documentation, and release notes. You can access the online support ticketing system to submit issues or questions.

## Before calling technical support

Please have the following information ready before calling KINGSTAR Technical Support:

### **The version number of your RTX64 and KINGSTAR software**

To obtain the RTX64 version number:

1. Click **Start > All Programs > RTX64 2014 Runtime > Control Panel**.
2. In the **RTX64 2014 Control Panel**, record **Version** shown in the **Runtime Information** area.

To obtain the KINGSTAR version number:

1. Click **Start > All Programs > KINGSTAR > Runtime**.
2. In **Windows Explorer**, click the `ksm64.rtdll` file, and right-click the same file again.
3. On the shortcut menu, click **Properties**.

4. In the **ksm64.rtdll Properties** window, click the **Details** tab, and record **Product version**.

## Phone support

For technical support related to installing and using KINGSTAR, please call technical support at this number:

+886-2-2556-8117

Hours are Monday-Friday from 9:30 to 18:30, GMT+08:00, excluding holidays.