

KINGSTAR 3.5

SUPPORTED NETWORK INTERFACE CARDS

KS-DOC-x64-0007-R19

IntervalZero



Copyright © 1996-2018 by IntervalZero, Inc. All rights reserved.

No part of this document may be reproduced or transmitted in any form or by any means, graphic, electronic, or mechanical, including photocopying, and recording or by any information storage or retrieval system without the prior written permission of IntervalZero, Inc. unless such copying is expressly permitted by federal copyright law.

While every effort has been made to ensure the accuracy and completeness of all information in this document, IntervalZero, Inc. assumes no liability to any party for any loss or damage caused by errors or omissions or by statements of any kind in this document, its updates, supplements, or special editions, whether such errors, omissions, or statements result from negligence, accident, or any other cause. IntervalZero, Inc. further assumes no liability arising out of the application or use of any product or system described herein; nor any liability for incidental or consequential damages arising from the use of this document. IntervalZero, Inc. disclaims all warranties regarding the information contained herein, whether expressed, implied or statutory, including implied warranties of merchantability or fitness for a particular purpose.

IntervalZero, Inc. reserves the right to make changes to this document or to the products described herein without further notice.

Microsoft, MS, and Win32 are registered trademarks and Windows 10, Windows 8, Windows 7, Windows Vista, Windows XP, and Windows Server 2003 are trademarks of Microsoft Corporation.

All other companies and product names may be trademarks or registered trademarks of their respective holders.





Contents

Network interface cards	1
Legend	1
Broadcom	1
Intel	2
Realtek	16
Get support	19
Third-party support	19
Online support	19
Before calling technical support	19
The version number of your RTX64 and KINGSTAR software	19
Phone support	20

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.

NOTE: All drivers support Link Status monitoring.










NOTE: All tested drivers support Jumbo Packets except the Realtek RtRtl8168 driver.










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.


Broadcom










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








Intel










Vendor ID	Device ID	Device Description	Minimum KINGSTAR Version	Status
0x8086	0x10BA	Intel 80003ES2 Ethernet Controller Copper SPT	3.1.2	
0x8086	0x10BB	Intel 80003ES2 Ethernet Controller Serdes SPT	3.1.2	
0x8086	0x1096	Intel 80003ES2 Ethernet Controller Copper DPT	3.1.2	
0x8086	0x1098	Intel 80003ES2 Ethernet Controller Serdes DPT	3.1.2	
0x8086	0x1049	Intel ICH8 IGP M AMT Ethernet Controller	3.1.2	
0x8086	0x104A	Intel ICH8 IGP AMT Ethernet Controller	3.1.2	
0x8086	0x104C	Intel ICH8 IFE Ethernet Controller	3.1.2	
0x8086	0x10C4	Intel ICH8 IFE GT Ethernet Controller	3.1.2	
0x8086	0x10C5	Intel ICH8 IFE G Ethernet Controller	3.1.2	










Vendor ID	Device ID	Device Description	Minimum KINGSTAR Version	Status
0x8086	0x104D	Intel ICH8 IGP M Ethernet Controller	3.1.2	
0x8086	0x1501	Intel ICH8 82567 V3 Ethernet Controller	3.1.2	
0x8086	0x10F5	Intel ICH9 IGP M AMT Ethernet Controller	3.1.2	
0x8086	0x10BD	Intel ICH9 IGP AMT Ethernet Controller	3.1.2	
0x8086	0x294C	Intel ICH9 IGP C Ethernet Controller	3.1.2	
0x8086	0x10BF	Intel ICH9 IGP M Ethernet Controller	3.1.2	
0x8086	0x10CB	Intel ICH9 IGP M V Ethernet Controller	3.1.2	
0x8086	0x10C0	Intel ICH9 IFE Ethernet Controller	3.1.2	
0x8086	0x10C3	Intel ICH9 IFE GT Ethernet Controller	3.1.2	











Vendor ID	Device ID	Device Description	Minimum KINGSTAR Version	Status
0x8086	0x10C2	Intel ICH9 IFE G Ethernet Controller	3.1.2	
0x8086	0x10E5	Intel ICH9 BM Ethernet Controller	3.1.2	
0x8086	0x10F6	Intel 82574LA Ethernet Controller	3.1.2	
0x8086	0x10CC	Intel ICH10 R BM LM Ethernet Controller	3.1.2	
0x8086	0x10CD	Intel ICH10 R BM LF Ethernet Controller	3.1.2	
0x8086	0x10CE	Intel ICH10 R BM V Ethernet Controller	3.1.2	
0x8086	0x10DE	Intel ICH10 D BM LM Ethernet Controller	3.1.2	
0x8086	0x10DF	Intel ICH10 D BM LF Ethernet Controller	3.1.2	
0x8086	0x1525	Intel ICH10 D BM V Ethernet Controller	3.1.2	



Vendor ID	Device ID	Device Description	Minimum KINGSTAR Version	Status
0x8086	0x10EA	Intel PCH M HV LM Ethernet Controller	3.1.2	
0x8086	0x10EB	Intel PCH M HV LC Ethernet Controller	3.1.2	
0x8086	0x10EF	Intel PCH D HV DM Ethernet Controller	3.1.2	
0x8086	0x10F0	Intel PCH D HV DC Ethernet Controller	3.1.2	
0x8086	0x156F	Intel PCH SPT I219 LM Ethernet Controller	3.1.2	
0x8086	0x1570	Intel PCH SPT I219 V Ethernet Controller	3.1.2	
0x8086	0x15B7	Intel PCH SPT I219 LM2 Ethernet Controller	3.1.2	
0x8086	0x15B8	Intel PCH SPT I219 V2 Ethernet Controller	3.1.2	
0x8086	0x15B9	Intel PCH SPT I219 LM3 Ethernet Controller	3.1.2	






Vendor ID	Device ID	Device Description	Minimum KINGSTAR Version	Status
0x8086	0x10D9	Intel 82571EB Ethernet Controller Serdes Dual	3.1.2	
0x8086	0X10DA	Intel 82571EB Ethernet Controller Serdes Quad	3.1.2	
0x8086	0X10BC	Intel 82571EB Ethernet Controller Copper Quad LP	3.1.2	
0x8086	0X10A5	Intel 82571EB Ethernet Controller Fiber Quad	3.1.2	
0x8086	0X10D5	Intel 82571PT Ethernet Controller Copper Quad	3.1.2	
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.	3.1.2	
0x8086	0x1503	Intel® 82579V Gigabit Network Adapter	3.1.2	

Vendor ID	Device ID	Device Description	Minimum KINGSTAR Version	Status
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	

Vendor ID	Device ID	Device Description	Minimum KINGSTAR Version	Status
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	0x157B	Intel® I210 Flash-less Copper-only Ethernet Controller	3.0	
0x8086	0x1533	Intel® I210 T1 Copper-only Ethernet Controller	1.0	
0x8086	0x1521	Intel® I350 Quad/Dual PCIe Copper Ethernet Controller	1.0	
<p>NOTE: Although MSI-X is supported, it does not work correctly with this device. Use MSI instead.</p>				
0x8086	0x1523	Intel® I350 Quad/Dual PCIe 1000BASE-KX/BX Ethernet Controller	1.0	
<p>NOTE: Although MSI-X is supported, it does not work correctly with this device. Use MSI instead.</p>				
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 Integrated with the Intel C202 PCH, C216 PCH, or C220 PCH NOTE: This controller is also supported by the RtlPCH driver (RTX64 3.2 and above). NOTE: This controller does not work correctly on systems with the Intel C200 PCH.	2.0	
0x8086	0x1503	Intel® 82579V Gigabit Network Adapter NOTE: This controller is also supported by the RtlPCH driver (RTX64 3.2 and above).	2.0	
0x8086	0x100E	Intel® 82540EM Pro 1000 MT Desktop NOTE: 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 NOTE: Although MSI/MSI-X is supported, it does not work correctly. Use the line-based interrupt type instead.	1.0	





Vendor ID	Device ID	Device Description	Minimum KINGSTAR Version	Status
0x8086	0x107C	Intel® 82541GI/82541PI LF Pro 1000 GT Desktop β	1.0	
0x8086	0x107D	Intel® 82572 PT Gigabit Ethernet Controller	1.0	
0x8086	0x109A	Intel® PRO/1000 PL Network Adapter	1.0	
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	


Vendor ID	Device ID	Device Description	Minimum KINGSTAR Version	Status
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	
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	






Vendor ID	Device ID	Device Description	Minimum KINGSTAR Version	Status
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. We strongly suggest you install the driver of RTL8168/8111 controller on desktops. Installing it on laptops causes problems.

Vendor ID	Device ID	Device Description	Minimum KINGSTAR Version	Status
0x1186	0x4300	D-Link DGE-528(T) Gigabit Ethernet Adapter	2.0	
0x1186	0x4302	D-Link DGE-530(T) Gigabit Ethernet Adapter	2.0	
0x10EC	0x8139	Realtek 8139C+ 10/100BaseTX	2.0	
0x10EC	0x8136	Realtek 810xE PCIe 10/100baseTX	2.0	

Vendor ID	Device ID	Device Description	Minimum KINGSTAR Version	Status
0x10EC	0x8168	<p>Realtek 8168/8111 B/C/CP/D/DP/E/F/G PCIe Gigabit Ethernet</p> <p>NOTE: Only these hardware IDs were tested:</p> <ul style="list-style-type: none"> • PCI\VEN_10EC&DEV_8168&SUBSYS_83A31043&REV_03 • PCI\VEN_10EC&DEV_8168&SUBSYS_816810EC&REV_03 • PCI\VEN_10EC&DEV_8168&SUBSYS_816810EC&REV_02 • PCI\VEN_10EC&DEV_8168&SUBSYS_2A90103C&REV_03 • PCI\VEN_10EC&DEV_8168&SUBSYS_012310EC&REV_02 <p>NOTE: Only these chipsets were tested:</p> <ul style="list-style-type: none"> • Realtek 8168C Spin 2 • Realtek 8168C • Realtek 8168CP • Realtek 8168D 	1.0	

Vendor ID	Device ID	Device Description	Minimum KINGSTAR Version	Status
0x10EC	0x8169	Realtek 8169/8169S/8169SB (L)/8110S/8110SB(L) Gigabit Ethernet	2.0	
0x10EC	0x8167	Realtek 8169SC/8110SC Single-chip Gigabit Ethernet	2.0	
0x1259	0xC107	Corega CG-LAPCIGT (RTL8169S) Gigabit Ethernet	2.0	
0x1737	0x1032	Linksys EG1032 (RTL8169S) Gigabit Ethernet	2.0	
0x16EC	0x0116	US Robotics 997902 (RTL8169S) Gigabit Ethernet	2.0	

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 3.4 Runtime > Control Panel**.
2. In the **RTX64 3.4 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 17:30, UTC+08:00, excluding holidays.