



PC 98 NETWORK/LAN SELF-TEST
Windows Operating Systems
Information Form

Microsoft Windows Hardware Quality Labs

Windows Operating Systems Network SELF-Test Report

Version 4.1

11/24/98

Realtek RTL8139(A) Fast Ethernet Adapter PCI

Submission Master ID# 10487

PC98 Test Status Logo

Driver Location: WDL



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Contact Information

Company

Company Name: Realtek
Web Address: http://www.realtek.com.tw

Technical Contact

Name: Luke Huang
Address: No. 2, Industry E. Rd. IX, H.S.I.P.,
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State/Province: TW
ZIP Code: 300
Country: N/A
Phone Number: 886-3-5780211 ext.3852
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E-Mail: yfhuang@realtek.com.tw

Marketing Contact

Name: Edward Liu
Address: No. 2, Industry E. Rd 1X H.S.I.P.
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Device Information

Product Name (required): Realtek RTL8139(A) Fast Ethernet Adapter As it will appear on the HCL*.

Announce Date (required): 10/29/98 Date product will be officially announced.

Model Number: RTL8139(A)

Retest _____ Master ID of previously failed submission.
 Hardware already at WHQL.

PnP:

PnP ID:
Enter the Plug and Play ID that uniquely identifies your device. For example, if you have a PCI device list the Vendor ID, Device ID, SubSystem Vendor ID, and Subsystem ID, or if you have an ISA device list the Vendor ID, Device ID, and Compatible ID. You can copy the PnP ID created by the Test device from the Registry key `\HKEY_LOCAL_MACHINE\...\Enum\...` and paste it into the space below.

Registry entry:

BUS Interface: PCI 2.1 Select ISA, EISA, PCI 2.0, PCI 2.1, PCMCIA, VL, or Other.
If Other: _____

Adapter Media: (Supply ALL Supported Configurations) Token Ring: Select 4Mb, 4Mb Full Duplex, 10Mb, 10Mb Full Duplex, 16Mb, 16Mb Full Duplex, 100Mb, 100Mb Full Duplex, FDDI, CDDI, T4, or GigaBit Ethernet.
 4Mb 4Mb Full Duplex
 16Mb 16Mb Full Duplex
Ethernet:
 10Mb 10Mb Full Duplex
 100Mb 100Mb Full Duplex
 T4
 GigaBit Ethernet
Fiber:
 FDDI CDDI
Other:

Adapter Revision: N/A

Chipset: RTL8139(A)

Chipset Revision: E

I/O Interface: I/O Mapped Select I/O Mapped, Memory Mapped, or DMA.

Data Bus Width: 32-bit Select 8-bit, 16-bit, 32-bit, or 64-bit.

Media Interface: UTP Select UTP, STP, BNC, AUI, or Other.
If Other: _____

Special Equipment: N/A Include special equipment needed by the Test adapter (separate items with commas).



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* Access the HCL at <http://www.microsoft.com/hwtest/>



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Device Driver Information

Operating System

Operating System: Windows 9x, Windows NT 4.0 (x86) Windows NT 5.0

Note: PC 98 Requires an **NDIS 4.0** (or higher) Miniport that is Binary Compatible between **Windows 95**, , and **Windows NT 4.0 SP3**., an **NDIS 5.0** Miniport that is Binary Compatible between **Windows 98**, and **Windows NT 5.0** (Beta 2 or higher).

NDIS Support: NDIS 5.0 NDIS 4.0 and NDIS 5.0

MiniPort:

Binary

Compatible:

List of NDIS 5.0 Drivers (Including Support Files)

File Name	Version	Date	File Size
RTL8139.SYS	5.352.1008.1998	11/23/98	26,152
NETRTS5.INF	N/A	11/23/98	7,540
NETRTS5.CAT	N/A	11/23/98	3

List of NDIS 4.0 Drivers (Including Support Files)

File Name	Version	Date	File Size
RTL8139.SYS	5.352.1008.1998	10/29/98	26,112
OEMSETUP.INF	N/A	10/29/98	48,279
NETRTS.INF	N/A	8/25/98	4,636
RTSNTHLP.HLP	N/A	9/3/98	8,733

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Test Report

Master ID: 10487

Device name: Realtek
RTL8139(A) Fast
Ethernet Adapter

Product Announced:

Test Lead: Josh Rice

Test Technician: Kennith Guajardo

Reviewer: Adam Swellum

Test Start Date: 11/24/1998

Test Complete Date: 11/24/1998

Test Results: Logo

Test Notes: _____



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Test Report

PC 98 Tests for Network

1.0 Verifying Test Equipment and Test Platform

2.0 Test Adapter Installation Tests - Manual Tests

2.1 Windows NT 5.0 and Windows 9x

New Windows NT 5.0 and Windows 9x Installation

2.1.1 Adapter correctly installed **Passed**

Adapter Disk Installation for Windows NT 5.0 and Windows 9x

2.1.2 System connects to the network via the Test adapter **Passed**

2.2 Windows NT 4.0

New Windows NT 4.0 Installation

2.2.1 Adapter properly installs **Passed**

Adapter Disk Installation for Windows NT 4.0

2.2.2 System connects to the network via the Test adapter **Passed**

Help file operates correctly (if applicable) **Passed**

2.3 Windows NT 4.0

Load/Unload driver test

2.3.1 Driver unloaded successfully **Passed**

2.3.2 Driver restarted successfully **Passed**



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Test Report

3.0 Describing Automated Network Self-Test Description

4.0 Running Automated Network Self-Tests

4.1 NDIS functionality

Log file free of errors for all OS **Passed**

4.2 Windows NT 4.0 / 5.0 (free or checked build) NDIS functionality

Log file free of errors **Passed**

Driver operates properly **Passed**

5.0 Hardware Verification Tests

5.1 Communications via a PCI bridge

NDIS stress test completes successfully for all OS **Passed**

5.2 Network adapter cable disconnect

Test adapter causes NO fatal errors for all OS **Passed**

5.3 Standby Manual test (Windows 98 Only)

Test adapter still connected to network after standby test performed **Passed**