

The Comparison Table of RTL8139 Family

Features	RTL8139C(L)	RTL8139D(L)	RTL8130	RTL8100(L)	RTL8100B(L)	RTL8101L	RTL8139C(L)+
Chip function	Single-chip	Single-chip	Single-chip	Single-chip	Single-chip	Single-chip	Single-chip
Host interface	PCI/Cardbus/ Mini-PCI	PCI/ Mini-PCI	PCI	PCI/ Mini-PCI	PCI/ Mini-PCI	PCI/ Mini-PCI	PCI/Cardbus/ Mini-PCI
Package	128-pin QFP/LQFP	100-pin QFP/LQFP	160-pin QFP	100-pin QFP/LQFP	100-pin QFP/LQFP	100-pin LQFP	128-pin QFP/LQFP
Clock	25M OSC./25M Crystal	25M OSC./25M Crystal	50M OSC.	25M OSC./25M Crystal	25M OSC./25M Crystal	25M OSC./25M Crystal	25M OSC./25M Crystal
Speed	10/100M N-way	10/100M N-way	10/100M N-way	10/100M N-way	10/100M N-way	10/100M N-way	10/100M N-way
Full-duplex	Yes	Yes	Yes	Yes	Yes	Yes	Yes
802.3X(Flow Control)	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Compliant to	PC99/PC2001	PC99/PC2001	PC99/PC2001	PC99/PC2001	PC99/PC2001	PC99/PC2001	PC99/PC2001
MII & AUI I/F	No	No	MII&AUI	No	No	No	MII
Media interface	UTP	UTP	UTP/MII/AUI	UTP	UTP	UTP	UTP/MII
Boot function I/F	Boot ROM/ Flash	Boot ROM/ Flash	Boot ROM/ Flash	No	No	Boot ROM/ Flash	Boot ROM/ Flash
EEPROM	9346/9356	9346	9346	9346	9346	9346	9346/9356
ACPI & WOL	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Fully Power Down mode	Yes	Yes	No	Yes	Yes	Yes	Yes
Link Down Power Saving	Yes	Yes	No	Yes	Yes	Yes	Yes
Magic Packet	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Wake up frame	Yes	Yes	Yes	Yes	Yes	Yes	Yes
PCI clock run	Yes	Yes	No	No	No	Yes	Yes
PCI Multi-function	No	Yes	No	No	No	Yes	No
MC-link I/F	No	No	No	No	No	Yes	No
PCI-bridge I/F	No	Yes	No	No	No	No	No
PCI I/O	3.3V/5V Tolerant	3.3V/5V Tolerant	5V	3.3V/5V Tolerant	3.3V/5V Tolerant	3.3V/5V Tolerant	3.3V/5V Tolerant
PG utility	PG8139.505 & Successor	PG8139.601 & Successor	PG8139.505 & Successor	PG8139.507 & Successor	PG8139.600 & Successor	PG8139.600 & Successor	PG8139.600 & Successor

Driver support	8139 drivers	8139 drivers	8139 drivers	8139 drivers	8139 drivers	8139 drivers	8139 drivers
Application	PCI/Mini-PCI/Cardbus LAN adapter, Embedded system	PCI/Mini-PCI LAN adapter, Embedded system	PCI LAN adapter	PCI/Mini-PCI LAN adapter, Embedded system	PCI/Mini-PCI LAN adapter, Embedded system	PCI/Mini-PCI LAN adapter, Embedded system	PCI/Mini-PCI/Cardbus LAN adapter, Embedded system
Power	3.3V	2.5V/3.3V	5V	3.3V	2.5V/3.3V	2.5V/3.3V	3.3V
Process	0.35u CMOS	0.25u CMOS	0.5u CMOS	0.315u CMOS	0.25u CMOS	0.25u CMOS	0.35u CMOS
Available	Now	P.R.	Now	Now	P.R.	E.S.	Now