

Ethernet Networking

Note:

1. The NICs are mainly supported by the OpenIndiana community members and Illumos Organization.
2. Use [hipster](#) for best results.
3. See <http://illumos.org/hcl> for a correct list of supported hardware (based on device IDs the actual drivers list as supported)
4. The bge driver now supports Broadcom BCM5719/5720 devices. See Illumos bug# [3446](#) for more details.
5. A number of NICs are not currently supported "out of the box" by the illumos kernel or OpenIndiana distribution, but over 30 open-sourced drivers covering many more chipsets and NIC models are available as part of the separate "[Free NIC drivers for OpenSolaris](#)" project by Masayuki Murayama and generally do just work on OpenIndiana (binaries are available as part of the source code tarballs, but you're encouraged to recompile them with GLDv3 Makefile's on OpenIndiana, see details on the project's web page). If your newer NIC chipset is not supported by a driver from that project, try contacting the author - you might help him make and test an updated version of a driver 🙏
6. Marvell Yukon NICs may be supported by an SKGE driver, by myk from the "[Free NIC drivers for OpenSolaris](#)" project and by Marvell's own drivers for Solaris (see comments below).

NIC	Supported	OpenIndiana release	Notes	Driver	Contributor
Asix AX88772A	yes	2018.04		axf	Michal Nowak
Asix AX88772B	no	2018.04			Michal Nowak
Atheros AR8132 Fast Ethernet Atheros AR8131 Gigabit Ethernet Atheros AR8151 v1.0 Gigabit Ethernet Atheros AR8151 v2.0 Gigabit Ethernet Atheros AR8152 v1.1 Fast Ethernet Atheros AR8152 v2.0 Fast Ethernet	YES	oi_151a7	ASUS Eepc laptop, ASUS P8H67-V motherboard, ASUS K73S notebook	atge	Gary Mills
AR8161 Gigabit	no	2018.04	Toshiba Satellite L855		Michal Nowak
Broadcom NetLink & NetXtreme I 57xx Gigabit adapters	YES	oi_151a7	BCM5700/5701/5703/5704/5705/5705M/5714/5721/5751/5751M/5782/5788	bge	Ken Mays
Broadcom NetXtreme II Gigabit Ethernet	YES	oi_151a1	Tested BCM5709.	bnx	Jason Matthews
Broadcom NetXtreme II Gigabit Ethernet	YES	oi_151a7	BCM5706, 5708, 5709, 5716	bnx	Ken Mays
Broadcom NetXtreme II 10GbE controllers	YES	oi_151a7	BCM57710, 57711, 57711E, 57712, 57800, 57810	bnxe	Ken Mays
Intel 82540EM Gigabit Ethernet Controller	YES	oi_151a3	PCI-ID: 8086:1000e	e1000og	Ancor on Luciferis
Intel 82575, 82576, 82580, I210, I211, I340, I350, I354	YES	hipster		igb	Ken Mays
Intel 82563/6/7, 82571/2/3/4/8/9, 82583, I217-LM, I217-VM, I218-LM, I218-VM ethernet controllers	YES	hipster	Intel S1200 & Supermicro X10SAE motherboards. Added new PCI IDs.	e1000og	Ken Mays
Intel 82597EX 10GbE Ethernet Controller	YES	hipster		ixgb	Ken Mays
Intel 82574L	YES	oi_151a oi_151a5	scanpci: pci bus 0x0003 cardnum 0x00 function 0x00: vendor 0x8086 device 0x10d3 Intel Corporation 82574L Gigabit Network Connection	e1000og	Gary Mills

Intel 82575EB	YES	oi_151a1	pci bus 0x0001 cardnum 0x00 function 0x01: vendor 0x8086 device 0x10a7	igb	Jason Matthews
Intel 82576	YES	oi_151a1	pci bus 0x0002 cardnum 0x00 function 0x00: vendor 0x8086 device 0x10c9	igb	Jason Matthews
Intel 82579LM	YES	2018.04	In Dell Optiplex 9010 workstation.	e10000g	Michal Nowak
Intel 82599EB 10-Gigabit SFI/SFP+	YES	oi_151a8	tested on 151a8, could work on older releases. Performance moderately sucks on a dell r720. RX is good, TX is poor. On an r820 TX performance is less than that of 1g ethernet most of the time.	ixgbe	Jason Matthews
Intel I350 Gigabit Network	YES	oi_151a5			Christ of Haemerle
Intel X520, Intel X540, Intel 82598, 82599 series (10Gb)	YES	oi_151a7		ixgbe	Ken Mays
Realtek RTL8101/RTL8110/RTL8168/RTL8169	YES	oi_151a7	Supersedes rge driver for most Realtek 81xx/816x PCI-E ethernet adapters as of gani-2.6.10. See: RTL8111B/RTL8168B/RTL8111/RTL8168/RTL8111C/RTL8111CP/RTL8111D(L)/RTL8168C/RTL8111DP/RTL8111E/RTL8168E/RTL8111F/RTL8411	gani	Ken Mays
Realtek RTL8101E/8102E PCI Express Fast Ethernet controller	YES	oi_148	Onboard controller for MSI G31TM-P21 motherboard	rge	Philip Robar
Realtek RTL8139/8139C/8139C+ PCI Express Fast Ethernet controller	YES	oi_151a	PCI-ID: 10ec:8139	rtls	Ancor on Lucifer is
Realtek RTL8111/8168B PCI Express Gigabit Ethernet controller (rev 03)	YES	oi_151a	PCI-ID: 10ec:8168	rge	Ancor on Lucifer is
Realtek Semiconductor Co., Ltd. RTL8111/8168/8411 PCI Express Gigabit Ethernet Controller	YES	hipster	PCI-ID: 10ec:8168	rge	Predrag Zeevi
Realtek RTL-8169 Gigabit Ethernet (rev 10)	YES	oi_151a	PCI-ID: 10ec:8169	rge	Ancor on Lucifer is