

<http://intel.com/go/ethernet>

Driver Support

Microsoft Windows Vista* (32 & 64 bit)
Microsoft Windows XP* (32 & 64 bit)
Microsoft Windows CE*
Microsoft Windows NT*
Microsoft Windows 2000 Server*
Microsoft Windows Server 2003* (32 & 64 bit)
SCO UnixWare* 7.x
Open Unix* 8.0
Novell ODI*
Novell Netware*
SUSE Linux Enterprise Server* 9.0
Red Hat Enterprise Linux* 4.0
Linux*
FreeBSD*
Sun Solaris*
Microsoft DOS*
VMWare ESX*

Intel® Advanced Networking Services

Teaming

Initiate a team with up to eight NICs.

Multi-Vendor Teaming

Allows teaming with third-party NICs and LOM solutions.

Adapter Fault Tolerance

Provides automatic redundancy for the server's network connection should the primary adapter fail.

Transmit and Receive Load Balancing

Balances network traffic across teamed network connections.

802.1q VLAN Tagging

Allows teaming in multiple sub-networks by creating virtual adapters.

Link Aggregation

Supports Intel® Link Aggregation, Fast EtherChannel, Gigabit EtherChannel, and IEEE 802.3ad standards. Continues to balance traffic even if one of the teamed connections loses link.

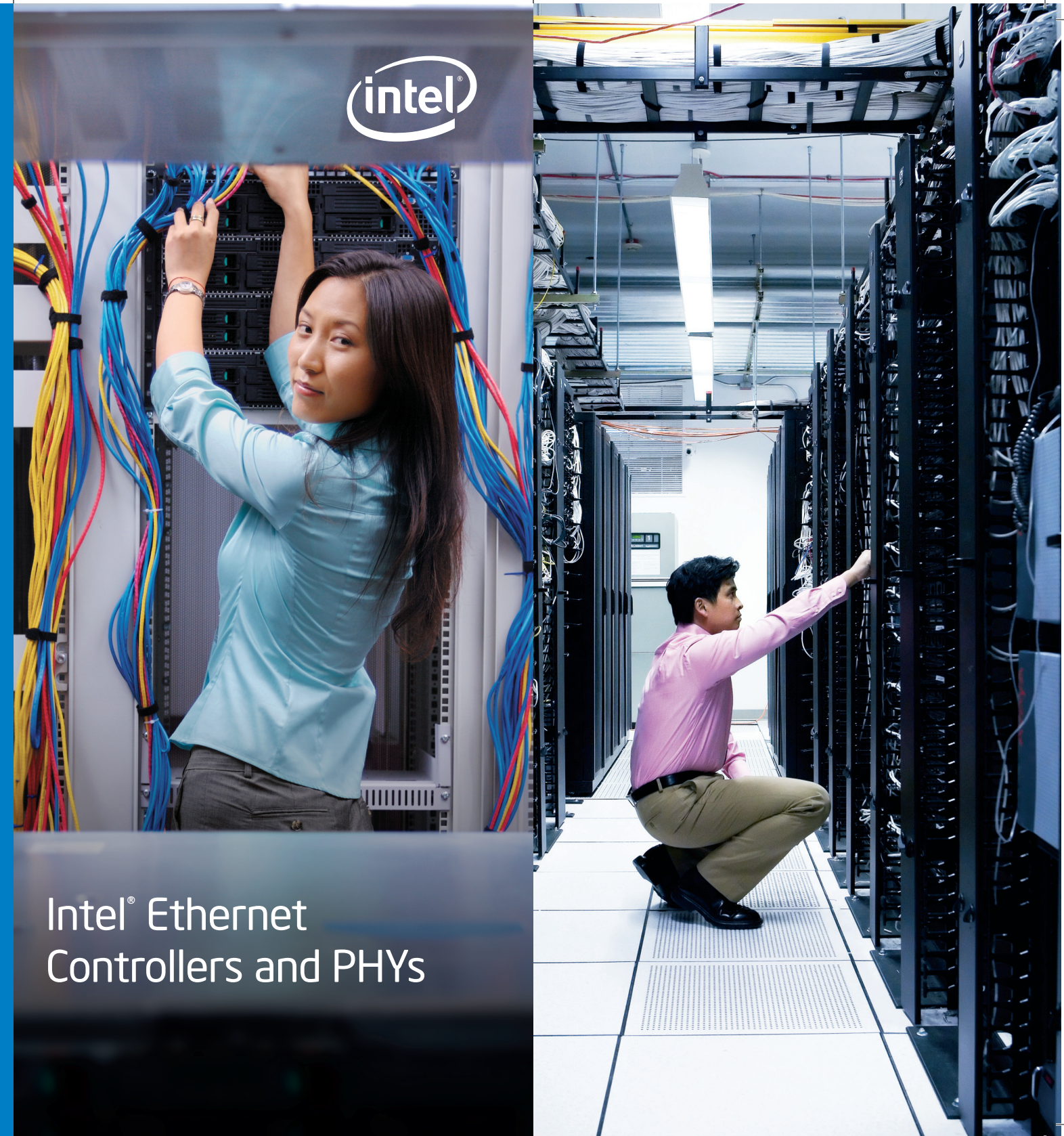


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*Other names and brands may be claimed as the property of others.

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







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Intel® Ethernet Controllers and PHYs

Intel® Ethernet Controllers and PHYs

<http://intel.com/go/ethernet>

Product	Device	Package Size/ Physical Package	Host Interface/ Bus Type	Performance Features	Target Applications	Management Features	Power (Typical)	Power (Standby)	Operating Temp	Power Supply	Order Code	Footprint Compatible with:
 Intel® 82598EB	Dual Port 10GbE MAC XAUI, KX4, CX4	31x31 mm 883-pin FCBGA	PCI Express* x2/x4/x8	Intel® I/O Acceleration Technology 32Tx, 64Rx queues, message signaled interrupts, receive side scaling, direct cache access, low latency interrupt, flow interrupt priority, priority grouping, congestion management, virtual machine device queues	Enterprise servers, blades, embedded systems	IPMI pass-through via SMBus or NC-SI, WoL, PXE remote boot, iSCSI boot, VLAN filtering	~4.8 W (Dual Port) ~3.5 W (Single Port)	21 mA @ 3.3 V 51 mA @ 1.8 V 486 mA @ 1.2 V	0-55° C	1.0, 1.8, 3.3 V	JL82598EB	—
 Intel® 82576EB ²	Dual-Port GbE Controller MAC/PHY/SerDes/SGMII	25x25 mm 576-pin FCBGA	PCI Express* v2.0 (2.5 GT/s) x1/x2/x4	Intel® I/O Acceleration Technology (Intel® QuickData Technology, MSI-X, RSS, direct cache access, checksum and segmentation offload, header splitting/replication, low latency interrupts, 16Rx/16Tx queues/port, jumbo frames, virtual machine device queues (VMDq), PCI-SIG SR-IOV, Security (IPsec offload, LinkSec ³)	Enterprise servers, blades, embedded systems	IPMI pass-through via SMBus or NC-SI, WoL, PXE remote boot, iSCSI boot, VLAN filtering, IEEE 1588 (time synch capability)	~2.1 W (Copper) ~7 W (SerDes)	15 mA @ 3.3 V 224 mA @ 1.8 V 243 mA @ 1.0 V	0-55° C	3.3, 1.8, 1.0 V	JL82576EB	82575EB
 Intel® 82575EB	Dual Port GbE Controller MAC/PHY/SerDes/SGMII	25x25 mm 576-pin FCBGA	PCI Express* x1/x2/x4	Intel® I/O Acceleration Technology 4Tx, 4Rx queues, message signaled interrupts, receive side scaling, direct cache access, low latency interrupt, header splitting and replication, virtual machine device queues	Enterprise servers, blades, embedded systems	IPMI pass-through via SMBus or NC-SI, WoL, PXE remote boot, ASF 2.0, iSCSI boot, VLAN filtering	~2.4 W, ~0.7 W (SerDes)	171 mA @ 3.3 V	0-70° C	1.0, 1.8, 3.3 V	HL82575EB	—
 Intel® 82571EB Intel® 82572EI	Single Port GbE Controller Dual Port GbE Controller MAC/PHY/SerDes	17x17 mm 256-pin FCBGA	PCI Express* x1/x2/x4	Intel® I/O Acceleration Technology 2Tx, 2Rx queues, message signaled interrupts, receive side scaling, header splitting	Enterprise servers, blades, embedded systems	IPMI pass-through via SMBus or FML, WoL, PXE remote boot, ASF 2.0, iSCSI boot, serial over LAN, VLAN filtering	~1.5 W, ~0.7 W (SerDes) ~2.8 W, ~1.8 W (SerDes)	220 mA @ 3.3 V 226 mA @ 3.3 V	0-70° C 0-70° C ¹	1.1, 1.8, 3.3 V	HL82572EI HL82571EB	—
 Intel® 82574L ² Intel® 82574IT ²	Single-Port GbE Controller MAC/PHY	9x9 mm 64-pin QFN	PCI-e 1.1 (2.5 Ghz) x1	TCP segmentation offload, TCP, UDP, IPv4 checksum offload, interrupt moderation, VLAN support, jumbo frames, RSS, MSI, MSI-X	Server and embedded systems	IPMI pass-through via SMBus or NC-SI, WoL, PXE remote boot, iSCSI boot, VLAN filtering	~702 mW (S0, 1 Gb active)	188 mW (D3 cold, WoL enabled, 100 Mb/s)	0-85° C -40-85° C	3.3 V	WG82574L WG82574IT	—
 Intel® 82573E/V Intel® 82573L	Single Port GbE Controller MAC/PHY	15x15 mm 196-pin TFBGA	PCI Express* x1	TCP segmentation offload, TCP, UDP, IPv4 checksum offload, interrupt moderation, jumbo frames	Enterprise clients, workstations, embedded systems	Intel® Active Management Technology, IPMI pass-through via SMBus, WoL, PXE remote boot, ASF 2.0	~1.3 W ~1.2 W	11 mA @ 3.3 V 14 mA @ 3.3 V	0-70° C	1.2, 2.5, 3.3 V	RC82573E RC82573V RC82573L	—
 Intel® 82545GM Intel® 82546GB	Single Port GbE Controller Dual Port GbE Controller MAC/PHY/SerDes	21x21 mm 364-pin TFBGA 364-pin PBGA	PCI-X 1.0 PCI/PCI-X* 33/66/133 MHz	TCP segmentation offload, large send offload, TCP, UDP, IPv4 checksum offload, interrupt moderation, jumbo frames	Enterprise servers, blades, embedded systems	IPMI pass-through via SMBus, WoL, PXE remote boot, ASF 2.0, VLAN filtering	~1.5 W ~2.6 W, ~1.5 W (SerDes)	125 mA @ 3.3 V 220 mA @ 3.3 V	0-70° C 0-55° C	1.5, 2.5, 3.3 V	RC82545GM FW82546GB	—
 Intel® 82541PI Intel® 82541ER	Single Port GbE Controller MAC/PHY	15x15 mm 196-pin PBGA	PCI 2.3 33/66 MHz	TCP segmentation offload, TCP, UDP, IPv4 checksum offload	Enterprise clients, workstations, embedded systems	IPMI pass-through via SMBus, WoL, PXE remote boot, ASF 2.0	~1.0 W —	45 mA @ 3.3 V	0-70° C	1.2, 1.8, 3.3 V	GD82541PI GD82541ER	—
 Intel® 82567LM ²	Single-Port GbE PHY	8x8 mm 56-pin QFN	PCI Express*	Jumbo frames, RSS, on Intel ICH9M, ICH10 chipsets	Enterprise clients, consumer, embedded systems	Intel® Active Management Technology, WoL, PXE remote boot, ASF 2.0	~0.64 W	0.13 W	0-85° C	3.3 / 1.8 / 1.05 V	WG82567LM	—
 Intel® 82566DM	Single Port GbE PHY	10x10 mm 81-pin FCMMAP BGA	GLCI on Intel ICH8, ICH9 chipsets	On Intel® ICH8, ICH9 chipsets	Enterprise clients, consumer, embedded systems	Intel® Active Management Technology, WoL, PXE remote boot, ASF 2.0	~1.2 W	29 mA @ 3.3 V	0-70° C	1.0, 1.8, 3.3 V	RU82566DM	—
 Intel® 82564EBt Intel® 82563EB	Single Port GbE PHY Dual Port GbE PHY	14x14 mm 100-pin TQFP	GLCI on Intel® ESB2 chipset	Intel® I/O Acceleration Technology on Intel® ESB2 chipset	Enterprise servers	On Intel® ESB2 chipset	~1.3 W ~2.6 W	360 mA @ 3.3 V	0-60° C	1.2, 1.9, 3.3 V	HLB82564EB HLB82563EB	—
 Intel® 82551QM Intel® 82551ER Intel® 82551T	Single Port Fast Ethernet Controller MAC/PHY	15x15 mm 196-pin BGA	PCI 2.2 33 MHz	TCP segmentation offload, TCP, UDP, IPv4 checksum offload	Consumer, embedded systems	IPMI pass-through via SMBus, WoL, PXE remote boot, ASF 1.0	0.61 W	0.05 W @ 3.3 V	0-85° C -40°-85° C	3.3 V	GD82551QM GD82551ER GD82551T	82540EM/EP 82541PI/ER
 Intel® 82562EZ Intel® 82562EX Intel® 82562GZ	Single Port Fast Ethernet PHY	15x15 mm 196-pin BGA	LCI on Intel® ICH chipsets	On Intel® ICH chipsets	Enterprise clients, consumer, embedded systems	On Intel® ICH chipsets	0.3 W	0.05 W @ 3.3 V	0-85° C	3.3 V	GD82562EZ GD82562EX GD82562GZ	82540EM/EP 82541PI/ER 82573E/L
 Intel® 82562V	Single Port Fast Ethernet PHY	10x10 mm 81-pin FCMMAP BGA	LCI on Intel® ICH chipsets	On Intel® ICH chipsets	Enterprise clients, consumer, embedded systems	On Intel® ICH chipsets	0.3 W	0.05 W @ 3.3 V	0-70° C	3.3 V	PC82562V	82566DM

All products are RoHS compliant. All products are compatible with all major operating systems. ¹ 0-70° C with thermal management ² Halogen-free ³ LinkSec available in 1H09