

# Intel® PRO/1000 Gigabit Ethernet Controllers



<b>Product Name</b>	Intel® 82545GM Intel® 82546GB	Intel® 82572EI Intel® 82571EB	Intel® 82564EB Intel® 82563EB	Intel® 82540EM Intel® 82540EP	Intel® 82541PI Intel® 82541ER	Intel® 82573E/V	Intel® 82573L	Intel® 82566DM
<b>Brand Name</b>	Intel® PRO/1000 MT	Intel® PRO/1000 PM	Intel® 82564EB, Intel® 82563EB Gigabit Platform LAN Connect	Intel® PRO/1000 MT	Intel® PRO/1000 MT	Intel® PRO/1000 PM	Intel® PRO/1000 PL	Intel® 82566DM Gigabit Network Connection
<b>Code Name</b>	Atlia, Anvik II	Rimon, Ophir	Gilgal	Kenai-32, Kenai-32M	Tabor III, Tabor III ER	Tekoa	Vidalia	Nineveh
<b>Device</b>	Single-port, dual-port MAC/PHY/SerDes	Single-port, dual-port MAC/PHY/SerDes	Single-port, dual-port PHY	Single-port MAC/PHY	Single-port MAC/PHY	Single-port MAC/PHY	Single-port MAC/PHY	Single-port PHY
<b>Package Size</b>	21x21 mm	17x17 mm	14x14 mm	15x15 mm	15x15 mm	15x15 mm	15x15 mm	10x10 mm
<b>Physical Package</b>	364-pin TFBGA 364-pin PBGA	256-pin FCBGA	100-pin TQFP	196-pin TFBGA	196-pin PBGA	196-pin TFBGA	196-pin TFBGA	81-pin FCMMAP BGA
<b>Bus Type</b>	PCI/PCI-X*	PCI Express*	GLCI	PCI	PCI	PCI Express*	PCI Express*	GLCI/LCI
<b>Bus Speed</b>	33/66/133 MHz	x1/x4	—	33/66 MHz	33/66 MHz	x1	x1	—
<b>Bus Width</b>	32/64 bit	—	—	32 bit	32 bit	—	—	—
<b>Power (Typical)</b>	~1.5 W ~2.6 W, ~1.5 W (SerDes)	~1.5 W, ~0.7 W (SerDes) ~2.8 W, ~1.8 W (SerDes)	~1.3 W ~2.6 W	~1.4 W —	~1.0 W —	~1.3 W —	~1.2 W —	~1.2 W —
<b>Power (Standby)</b>	125 mA @ 3.3 V 220 mA @ 3.3 V	220 mA @ 3.3 V 226 mA @ 3.3 V	360 mA @ 3.3 V	120 mA @ 3.3 V 60 mA @ 3.3 V	45 mA @ 3.3 V	11 mA @ 3.3 V	14 mA @ 3.3 V	29 mA @ 3.3 V
<b>Operating Temp</b>	0-70° C 0-55° C	0-70° C 0-70° C**	0-60° C	0-70° C	0-70° C	0-70° C	0-70° C	0-70° C
<b>Power Supply</b>	1.5, 2.5, 3.3 V	1.1, 1.8, 3.3 V	1.2, 1.9, 3.3 V	1.5, 2.5, 3.3 V	1.2, 1.8, 3.3 V	1.2, 2.5, 3.3 V	1.2, 2.5, 3.3 V	1.0, 1.8, 3.3 V
<b>Order Code</b>	RC82545GM FW82546GB	HL82572EI HL82571EB	HLB82564EB HLB82563EB	RC82540EM RC82540EP	GD82541PI GD82541ER	RC82573E RC82573V	RC82573L	RU82566DM
<b>Lead Free</b>	PC82545GM NH82546GB	JL82572EI JL82571EB	HY82564EB HY82563EB	—	LU82541PI LU82541ER	PC82573E PC82573V	PC82573L	RU82566DM
<b>Footprint Compatible</b>	—	—	—	Intel® 82551QM, 82551ER, 82551IT	Intel® 82551QM, 82551ER, 82551IT	Intel® 82573L	Intel® 82573 E/V	Intel® 82562V
	—	—	—	Intel® 82562EZ, 82562EX, 82562GZ	Intel® 82562EZ, 82562EX, 82562GZ	Intel® 82562EZ, 82562EX, 82562GZ	Intel® 82562EZ, 82562EX, 82562GZ	—

For more information on Intel® Ethernet controllers: [http://developer.intel.com/design/network/products/ethernet/linecard\\_ec.htm](http://developer.intel.com/design/network/products/ethernet/linecard_ec.htm)



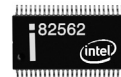
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**Intel® PRO**  
Network Connections

# Intel® PRO/100 Ethernet Controllers



<b>Product Name</b>	Intel® 82559 Intel® 82559C Intel® 82559ER	Intel® 82551QM Intel® 82551ER	Intel® 82551T	Intel® 82562ET Intel® 82562EM Intel® 82562GT	Intel® 82562EZ Intel® 82562EX Intel® 82562GZ	Intel® 82562V
<b>Brand Name</b>	Intel® PRO/100 Network Connection	Intel® PRO/100 M Network Connection	Intel® PRO/100 M Network Connection	Intel® PRO/100 VE/VM Network Connection	Intel® PRO/100 VE/VM Network Connection	Intel® 82562V 10/100 Network Connection
<b>Code Name</b>	D101, D101S, D101Basic	Lavon Lavon-ER	Lavon-IT	Kinnereth, Kinnereth+, Ekron	Kinnereth-R, Kinnereth-R+, Ekron-R	Ekron-N
<b>Device</b>	Single-port MAC/PHY	Single-port MAC/PHY	Single-port MAC/PHY	Single-port PHY	Single-port PHY	Single-port PHY
<b>Package Size</b>	15x15 mm	15x15 mm	15x15 mm	15.85x7.5 mm	15x15 mm	10x10 mm
<b>Physical Package</b>	196-pin BGA	196-pin BGA	196-pin BGA	48-pin SSOP	196-pin BGA	81-pin FCMMAP BGA
<b>Bus Type</b>	PCI	PCI	PCI	LCI	LCI	LCI
<b>Bus Speed</b>	33 MHz	33 MHz	33 MHz	—	—	—
<b>Bus Width</b>	32 bit	32 bit	32 bit	—	—	—
<b>Power (Typical)</b>	0.675 W	0.61 W	0.61 W	0.3 W	0.3 W	0.3 W
<b>Power (Standby)</b>	0.05 W @ 3.3 V	0.05 W @ 3.3 V	0.05 W @ 3.3 V	0.05 W @ 3.3 V	0.05 W @ 3.3 V	0.05 W @ 3.3 V
<b>Operating Temp</b>	0-85° C	0-85° C	-40-85° C	0-85° C	0-85° C	0-70° C
<b>Power Supply</b>	3.3 V	3.3 V	3.3 V	3.3 V	3.3 V	3.3 V
<b>Order Code</b>	GD82559 GD82559C GD82559ER	GD82551QM GD82551ER	GD82551T	DA82562ET DA82562EM	GD82562EZ GD82562EX GD82562GZ	PC82562V
<b>Lead Free</b>	—	LU82551QM LU82551ER	LU82551T	EP82562ET EP82562GT	LU82562EZ LU82562GZ	PC82562V
<b>Footprint Compatible</b>	—	Intel® 82540EM/EP, 82541PI/ER	Intel® 82540EM/EP, 82541PI/ER	—	Intel® 82540EM/EP, 82541PI/ER, 82573E/L	Intel® 82566DM

For more information on Intel® Ethernet controllers: [http://developer.intel.com/design/network/products/ethernet/linecard\\_ec.htm](http://developer.intel.com/design/network/products/ethernet/linecard_ec.htm)



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