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Find the *Intel Pro/1000 GT Single Port* at our website: *Click HERE*

Intel® PRO/1000 GT Desktop Adapter

Lead-Free Gigabit Performance to the Desktop

Now you can maximize system performance and increase end-user productivity for mainstream PCs with the new Intel® PRO/1000 GT Desktop Adapter. Today's desktops are weighed down with high-bandwidth applications including voice, data, streaming video, video conferencing, and long-distance storage area networks. The environmentally friendly Intel PRO/1000 GT Desktop Adapter's Gigabit bandwidth makes quick work of these network applications with power to spare.



The Intelligent Way to Connect

Built on Intel lead-free technology, the Intel PRO/1000 GT Desktop Adapter is the environmentally friendly way to bring Gigabit performance to your desktop at no extra cost.[1] The GT Desktop Adapter contains no lead and conforms to the European Union's Restrictions on the use of Hazardous Substances and Japan's White Goods Recycling Act.

- **Simplify installation and maintenance with Intel® SingleDriver™ technology:** Intel offers a single driver across all Intel PRO/1000 Desktop and Server Adapters making it easier to administer and upgrade to the latest generation of Intel adapters, simplifying network management and reducing maintenance costs.
- **High-performing, auto-negotiating 10/100/1000 connection:** Systems that are currently running at 10 Mbps or 100 Mbps can be upgraded with the Intel PRO/1000 GT Desktop Adapter now, whether Gigabit switching is currently available or not. By integrating an Intel® PRO Gigabit Network Connection now, information technology (IT) managers will save time, money and downtime when the network is upgraded later because the Intel PRO/1000 GT Desktop Adapter will automatically detect and run at the higher speed when it becomes available.

Features	Benefits
Intel® 82541PI Gigabit Controller	Enhances high performance and reliability
Compatible with Fast Ethernet and Ethernet	Reduces deployment and training costs and enables easy, quick migration to Gigabit Ethernet
Peripheral Component Interconnect (PCI) 2.3 32-bit 33/66 MHz	Designed for high performance on desktop bus architecture
10/100/1000 Mbps	Allows easy migration to faster networks as current 10/100 Mbps networks move to Gigabit, without requiring reconfiguration by IT staff—saving time, money and downtime
Category-5 Cabling	Uses pre-existing 4-pair cabling and saves re-wiring cost
Interrupt Moderation	Significantly reduces CPU utilization and increases throughput
Advanced Configuration and Power Interface (ACPI), Wake on LAN* (WoL), Preboot Execution Environment (PXE)	Allows lower power consumption, remote wake and remote booting
Simple Network Management Protocol (SNMP)/Desktop Management Interface (DMI), Wired for Management (WfM)	Lowers Total Cost of Ownership (TCO) through improved manageability
Meets IEEE 802.3ab* Technology	Supports standards interoperability
Advanced Cable Diagnostics	Dynamically tests and reports network problems (interrupts, error rate, cable length) and automatically compensates for cable issues such as crossover cable, wrong pin-out and polarity
Support for Many Network Operating Systems (NOSs)	Enables widespread deployment

[1]Same MSRP as leaded Intel® PRO/1000 MT Desktop Adapter, which it replaces.

Specifications: Intel® PRO/1000 GT Desktop Adapter

General	
Product Codes	PWLA8391GT, PWLA8391GTBLK, PWLA8391GTLBLK
Connectors	RJ-45
IEEE Standard/Network Topology	10BASE-T, 100BASE-TX, 1000BASE-T
Wiring	Cat-5, 4-pair
Adapter Product Features	
Intel® Lead-free Technology	■
Intel® SingleDriver™ Technology	■
Plug and Play Specification Support	Standard
Easy Installation, Intel® PROSet Utility	■
Auto-negotiation, Full-duplex Capable	■
PCI 2.3	■
Bus Speed	32-bit 33/66 MHz
Network Management	
WfM Baseline v2.0	■
DMI 2.0 Support, Windows Management Instrumentation (WMI) & SNMP-manageable	■
Offline Diagnostics	■
Intel® Boot Agent	■
ACPI Power Management	■
Wake on LAN	■
NOS Software Support	
Microsoft Windows* 2000, XP	■
Microsoft Windows NT* 4.0	■
Microsoft Windows 98 SE, Me	■
Disk Operating System (DOS) and Disk Operating System Optical Digital Image (DOSODI)	■
Linux* 2.2.5 or Later	■
Novell Netware* 4.2, 5.1, 6.0	■
Advanced Software Features	
IEEE 802.1Q Virtual Local Area Network (VLANs)	■
IEEE 802.3x Flow Control	■
Transmission Control Protocol (TCP) Checksum Offload	■
IEEE 802.1p, Intel® Priority Packet II	■
Technical Features	
Data Rate(s) Supported Per Port	10/100/1000 Mbps
Integrated Memory	64 KB
Interrupt Levels	INTA
IEEE Support	802.2 and 802.3ab
Data Path Width	32-bit PCI
Hardware Certifications	FCC B, CE, BSMI B, VCCI B
Data Transfer Mode	Bus-master DMA
Controller—Processor	Intel® 82541PI
Typical Power Consumption	800 mA @+5 VDC
Operating Temperature	0–55°C
Operating Humidity	85% at +55°C
Intel Backing	
Limited Lifetime Warranty	■
90-day Money-back Guarantee (U.S. and Canada)	■

Order Codes

- PWLA8391GT (Single Packs)
- PWLA8391GTBLK (20 Packs)
- PWLA8391GTLBLK (Low-Profile 20 Packs)

Companion Products

Consider these Intel products in your server and network planning:

- Intel® PRO/1000 MT Server Adapter
- Intel® PRO/1000 MF Server Adapter
- Intel® PRO/1000 MF Server Adapter (LX)
- Intel® PRO/1000 MF Dual Port Server Adapter
- Intel® PRO/1000 MT Dual Port Server Adapter
- Intel® PRO/1000 MT Quad Port Server Adapter
- Intel® Desktop Boards
- Intel® Pentium® 4 Processor with Hyper-Threading Technology

Network-Ready PCs

Top PC and server manufacturers offer Intel adapters in their new products. Specify or ask for Intel® PRO Network Connections with your next PC, server, or mobile PC purchase. For a list of preferred suppliers, visit us at www.intel.com/buy/wtb/wtb1019.htm.

Customer Support

Intel® Customer Support Services offers a broad selection of programs including phone support and warranty service. For more information, contact us at support.intel.com/support/network. Service and availability may vary by country.

Product Information

To speak to a customer service representative regarding Intel products, please call 1-800-538-3373 (U.S. and Canada) or visit www.intel.com/support/9089.htm for the telephone number in your area. For additional product information on the Intel® Networking and Communication products, visit www.intel.com/network/connectivity.

Online Documents

For the latest product information, visit us at www.intel.com/network/connectivity.

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