

# Intel® PRO/100 M Desktop Adapter

**Fast, Managed 10/100 Network Connections**

## Easy Management and Reduced Support Costs

Spend less time managing desktop PCs while working more effectively with Intel® PRO/100 M Desktop Adapters. Designed to reduce support costs, the Intel PRO/100 M Desktop Adapter is rich with advanced management features that keep you informed about, and give you access and control of, remote desktops. This high-performance adapter is compliant with Wake on LAN\* and the Desktop Management Interface (DMI) 2.0 specification for remote troubleshooting and asset management. Wired for Management (WfM) 2.0 baseline compliance and an embedded Intel® LANDesk® Client Agent allow easy remote administration and enterprise-wide management. Intel PRO/100 M Desktop Adapters use advanced, standards-based management features so technology works for you.



## Fast Deployment

Intel® SingleDriver™ technology offers a single suite of drivers for Intel® PRO/100 Network Adapters, adopted by many of the world's leading PC and server suppliers, speeding up installation and simplifying maintenance. In addition, these adapters are compatible with all major network operating systems. Once networked, you can remotely deploy software and set up desktops through the pre-installed Intel® PRO/100 Boot Agent.

## The Intelligent Way to Connect

Intel PRO/100 M Desktop Adapters improve network response with standards-based technologies that let you choose how to manage and speed traffic in to and out of desktops. Packet prioritization, VLAN support and adaptive technology are all standard Intel PRO/100 M Desktop Adapter technologies. From advanced management features for reduced support costs to industry-leading performance for faster network response, Intel® PRO Network Adapters are *the intelligent way to connect*.

## Intel® PRO Network Connections

- Lower support costs through advanced management capabilities
- Simplified installation and maintenance with Intel® SingleDriver™ technology
- Improved network response time through industry-leading performance

[www.intel.com/  
network/connectivity](http://www.intel.com/network/connectivity)



### Features

#### Advanced Management Capabilities

- Wired for Management (WfM) 2.0 Enabled
- Wake on LAN\* and Desktop Management Interface (DMI) 2.0
- Intel® PRO/100 Boot Agent
- Intel® LANDesk® Client Manager
- ACPI and PCI Power Management
- Intel® PROSet II Utility

#### Standards-based Networking

- Intel® SingleDriver™ Technology
- Supports All Major OSs and NOSs
- Backwards Compatible

#### Industry-leading Performance

- 802.1p Intel® Priority Packet II
- 802.1Q VLANs
- 802.3x Flow Control
- Adaptive Technology

### Benefits

#### Ease IT Administration and Reduce Support Costs

- Remote management across platforms
- Access and troubleshoot workstations remotely
- Deploy and upgrade PCs remotely; fewer visits to desktop
- More effective enterprise-level system management, maintenance
- Reduced power consumption
- Simplified setup through Microsoft Windows\* operating system

#### Fast, Easy Deployment

- Common set of drivers across Intel® PRO/100 Network Adapters simplify setup and maintenance, and decreases driver conflicts among new and legacy systems
- Compatible with your environment as your network evolves
- Integrates with existing Intel® PRO Network Adapters and network-ready PCs with Intel® Fast Ethernet technology

#### Improved Network Response

- Prioritize selected traffic for faster delivery
- Create secure subnets and optimize traffic flow
- Improve traffic flow, reduce collisions
- Dynamically tunes transmission rates

| SPECIFICATIONS                                |  | Intel® PRO/100 M Desktop Adapter |
|---|--|----------------------------------|
| IEEE Standard/Network Topology                |  | 10BASE-T, 100BASE-TX             |
| Wiring and Connectors                         |  | Cat-5, 2pr; RJ-45                |
| Product Code                                  |  | PILA8460F                        |
| <b>ADAPTER PRODUCT FEATURES</b>               |  |                                  |
| Intel® SingleDriver™ Technology <sup>1</sup>  |  | ■                                |
| Plug and Play Specification Support           |  | Standard                         |
| Easy Installation, Intel® PROSet II Utility   |  | ■                                |
| Auto-negotiation, Full-duplex Capable         |  | ■                                |
| Bus Type                                      |  | PCI 2.2                          |
| Bus Speed                                     |  | 32/33, 32/66                     |
| <b>NETWORK MANAGEMENT</b>                     |  |                                  |
| Wired for Management (WfM) Baseline v2.0      |  | ■                                |
| DMI 2.0, WMI & SNMP-manageable                |  | ■                                |
| Offline Diagnostics                           |  | ■                                |
| Intel® Boot Agent                             |  | ■                                |
| ACPI Power Management                         |  | ■                                |
| Wake on LAN*                                  |  | ■                                |
| <b>NOS SOFTWARE SUPPORT<sup>2</sup></b>       |  |                                  |
| Microsoft Windows* 2000 and XP                |  | ■                                |
| Microsoft Windows NT* 4.0                     |  | ■                                |
| DOS and DOSODI                                |  | ■                                |
| Novell NetWare* 3.x, 4.11, 4.2 & 5.x          |  | ■                                |
| SunSoft Solaris* 2.6, 7 & 8 <sup>3</sup>      |  | ■                                |
| UnixWare* 7.x and OpenUNIX* 8                 |  | ■                                |
| Linux* 2.2.5 or Later                         |  | ■                                |
| <b>ADVANCED SOFTWARE FEATURES</b>             |  |                                  |
| IEEE 802.1Q VLANs                             |  | ■                                |
| IEEE 802.3x Flow Control                      |  | ■                                |
| TCP Checksum Offload                          |  | ■                                |
| 802.1p Intel® Priority Packet II              |  | ■                                |
| <b>TECHNICAL FEATURES</b>                     |  |                                  |
| Data Rate(s) Supported Per Port               |  | 10 & 100Mbps                     |
| Flash Memory                                  |  | 64KB                             |
| Cache Memory                                  |  | 6KB                              |
| Interrupt Levels                              |  | INTA                             |
| IEEE Support                                  |  | 802.2 & 802.3                    |
| Data Path Width                               |  | 32-bit PCI                       |
| Hardware Certifications                       |  | FCC B, CE                        |
| Data Transfer Mode                            |  | Bus-master DMA                   |
| Controller - Processor                        |  | Intel® 82551QM                   |
| Typical Power Consumption                     |  | 170mA @ +5VDC                    |
| Operating Temperature                         |  | 0-55°C                           |
| Operating Humidity                            |  | 85% at +55°C                     |
| <b>INTEL BACKING</b>                          |  |                                  |
| Limited Lifetime Warranty                     |  | ■                                |
| 90-day Money-back Guarantee (U.S. and Canada) |  | ■                                |

## ORDER CODE

Intel® PRO/100 M Desktop Adapter  
(Only available in 20-packs)

PILA8460FPAK20

## PERFORMANCE TEST

Performance tests and ratings are measured using specific computer systems and/or components and reflect the approximate performance of Intel® products as measured by those tests. Any difference in system hardware or software design or configuration may affect actual performance. Buyers should consult other sources of information to evaluate the performance of systems or components they are considering purchasing. For more information on performance tests and on the performance of Intel products, reference [www.intel.com/procs/perf/limits.htm](http://www.intel.com/procs/perf/limits.htm) or call (U.S.) 1-800-628-8686 or 1-916-356-3104.

## CUSTOMER SUPPORT

For Customer Support information, contact us on the World Wide Web at <http://support.intel.com>. Service and availability may vary by country.

## 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 on the World Wide Web: [www.intel.com/network/how\\_to\\_buy/oem.htm](http://www.intel.com/network/how_to_buy/oem.htm)

## FOR 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](http://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](http://www.intel.com/network/connectivity)

## COMPANION PRODUCTS

Consider these related Intel® products in your network planning:

- Intel® PRO/100 Desktop Adapters
- Intel® PRO/1000 Desktop Adapters
- Intel® PRO/100 Server Adapters
- Intel® PRO/1000 Server Adapters
- Intel® PRO/100 Mobile Adapters
- Intel® PRO/Wireless Adapters
- Intel® Desktop and Server Boards

## ONLINE DOCUMENTS

For the latest product information, visit us on the World Wide Web at [www.intel.com/network/connectivity](http://www.intel.com/network/connectivity)  
For more detailed information on WfM, visit [www.intel.com/eBusiness](http://www.intel.com/eBusiness)

<sup>1</sup> Only one driver needed for all Intel® PRO/100 Network Adapters

<sup>2</sup> Go to [www.intel.com/network/os](http://www.intel.com/network/os) for latest OS/NOS support

<sup>3</sup> SunSoft Solaris is only supported on Intel® x86 architecture

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