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Intel® PRO/100 S Desktop Adapter

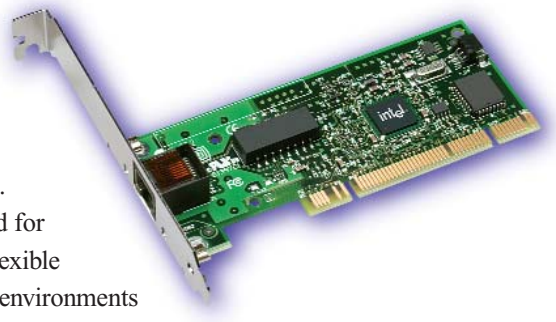
Fast, managed 10/100 connections with accelerated LAN security

Intel® PRO Network Connections

- ***Integrated security co-processor increases IPSec performance***
- ***Advanced management for lower support costs***
- ***Intel® SingleDriver™ technology simplifies installation and maintenance***

www.intel.com/network

Network Speed and Security



The Intel® PRO/100 S Desktop Adapter represents the next generation of Fast Ethernet desktop connections. Maintain high performance on managed PC networks while offering accelerated LAN security to preserve performance on IPSec-enabled networks. The Intel PRO/100 S Desktop Adapter is designed for Windows* 2000 networks running IPSec, but is flexible enough to run in Windows 98 and Windows NT* environments using Intel® Packet Protect II software. The Intel PRO/100 S Desktop Adapter is a member of the industry's first complete family of security adapters that protect data for all of your systems without sacrificing performance – mobile, server, and desktop.

Ease of Management

The Intel PRO/100 S Desktop Adapter supports the latest Wired for Management (WfM) specification to work with PC management applications from the leading software vendors. Advanced management features, such as Wake on LAN* and Intel® Boot Agent, help reduce IT support costs by providing remote management capabilities.

The Intelligent Way to Connect

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, simplifying installation and maintenance. In addition, these adapters are compatible with all major network operating systems. From Intel SingleDriver technology to standards-based security and management features, Intel® Network Adapters really are *the intelligent way to connect*.

Features	Benefits
High-performance LAN Security	**Protection and Performance**
■ Encryption Offloading	■ Adapter offloads IPSec encryption/decryption from PC, conserving CPU resources for greater network performance
■ Intel® 82550 Fast Ethernet Controller with Integrated Security Co-processor	■ Combines network functions and encryption offloading into single-chip solution for improved performance and reliability
■ Windows* 2000 Optimization, IPSec Support	■ Improves performance of IPSec functionality in Windows 2000 operating systems through encryption offloading
■ Intel® Packet Protect Software	■ Adds IPSec functionality to Windows NT* and Windows 98 systems
■ 3DES (168 bit) Encryption	■ Provides highest level of encryption widely available for data protection
Advanced Management Capabilities	**Ease IT Administration and Reduce Support Costs**
■ Wired for Management (WfM) 2.0 Enabled	■ Remote management across platforms
■ Wake on LAN* and Desktop Management Interface (DMI) 2.0	■ Remote troubleshooting and asset management
■ Pre-installed Intel® Boot Agent	■ Deploy and upgrade PCs remotely
■ Tivoli* Agents	■ Fast, easy access to management applications
■ ACPI Compliant	■ Reduced power consumption
■ Intel® PROSet II Utility	■ Windows utility for easy setup
Standards-based Networking	**Widespread Compatibility**
■ Intel® SingleDriver™ Technology	■ Common set of drivers across Intel® 10/100 network adapters simplifies setup and maintenance, and decreases driver conflicts among new and legacy systems
■ Supports All Major OSs and NOSs	■ Compatible with your environment as your network evolves
■ Backward Compatible	■ Integrates with existing Intel® network adapters and network-ready PCs with Intel® Fast Ethernet technology

SPECIFICATIONS	Intel® PRO/100 S Desktop Adapter
IEEE STANDARD/NETWORK TOPOLOGY	10BASE-T, 100BASE-TX
WIRING AND CONNECTORS	Cat-5, 2pr; RJ-45
PRODUCT CODE	PILA8460C3 (3DES)[2]
ADAPTER PRODUCT FEATURES	
Intel® Adaptive Technology	■
Intel® SingleDriver™ Technology	■
Automatic Driver Installation	■
Plug and Play Specification Support	Standard
Full-duplex Capable	■
Auto-negotiation	■
Easy Installation, Intel® PROSet II Utility	■
NETWORK MANAGEMENT	
WfM Baseline v2.0	■
DMI 2.0 Support, WMI and SNMP-manageable	■
Offline Diagnostics	■
Intel® Boot Agent	■
ACPI Power Management	■
Wake on LAN*	■
Tivoli* Agent (Included)	■
NOS SOFTWARE SUPPORT[1]	
Microsoft Windows* 2000	■
Microsoft Windows NT* 3.51, 4.0	■
Microsoft Windows 95, 98	■
Novell NetWare* 3.x, 4.11, 4.2 & 5	■
SunSoft Solaris* (x86) 2.6, 7.0	■
SCO UnixWare* 2.1.2, 2.1.3, 7	■
Linux* 2.2.5 or Later	■
ADVANCED FEATURES	
802.1Q VLANs	■
802.3x Flow Control	■
TCP Checksum Offload	■
802.1p, Intel® Priority Packet II	■
Adaptive Performance Tuning	■
Full-duplex Flow Control	■
TECHNICAL FEATURES	
Data Rate(s) Supported Per Port	10 & 100Mbps
Onboard Memory	18KB
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® 82550EY
Typical Power Consumption	250mA @ +5VDC
Operating Temperature	0-55°C
Operating Humidity	85% at +55°C
SECURITY FEATURES[1]	
IPSec Standard (Windows 2000)	■
Intel® Packet Protect (IPSec for Windows 98, NT 4.0)	■
Fast Ethernet Controller with integrated encryption co-processor	■
DES (56 bit)/3DES (168 bit) Encryption[2]	■
Authentication Algorithms	
SHA-1	■
MD5	■
Authentication Method	
Preshared Key	■
Entrust/PKI*	■
INTEL® BACKING	
Limited Lifetime Warranty	■
90-day Money-back Guarantee (U.S. and Canada)	■

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 for the telephone number in your area. For additional product information on Intel® Networking and Communication products, visit www.intel.com/**network**

ORDER CODES

For additional savings, Intel® adapters can be purchased in multipacks: 20 adapters with a single driver set and installation manual.

Intel® PRO/100 S Desktop Adapter	PILA8460C3
20-pack	PILA8460C3PAK20

CUSTOMER SUPPORT

Intel® Customer Support Services offers a broad selection of programs including extended phone support, upgrades, parts replacement, on-site services and installation. For more information, contact us on the World Wide Web at support.intel.com/support/network. 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 at: www.intel.com/network/how_to_buy/oem.htm

COMPANION PRODUCTS

Consider these related Intel products in your network planning:

- Intel® PRO/100 Mobile Adapters
- Intel® PRO/100 and PRO/1000 Server Adapters
- Intel® PRO/Wireless Adapters
- Intel® NetStructure™ Switches
- Intel® Express Hubs, Switches and Routers

ONLINE DOCUMENTS

For the latest product information, visit us on the World Wide Web at www.intel.com/**network**

For more detailed information on WfM, visit www.intel.com/eBusiness

[1] Go to www.intel.com/network/os for the latest OS/NOS support.

[2] Unlawful to export encryption outside the U.S. or Canada except under an approved Department of Commerce export license or applicable license exception. For more information on export restrictions, visit www.bxa.doc.gov/encryption.

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