

# Intel® PRO/100 S Desktop Adapter

*Fast, managed 10/100 connections with accelerated LAN security*

## 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
<b>High-performance LAN Security</b> <ul style="list-style-type: none"><li>■ Encryption Offloading</li><li>■ Intel® 82550 Fast Ethernet Controller with Integrated Security Co-processor</li><li>■ Windows* 2000 Optimization, IPSec Support</li><li>■ Intel® Packet Protect Software</li><li>■ 3DES (168 bit) Encryption</li></ul>	<b>Protection and Performance</b> <ul style="list-style-type: none"><li>■ Adapter offloads IPSec encryption/decryption from PC, conserving CPU resources for greater network performance</li><li>■ Combines network functions and encryption offloading into single-chip solution for improved performance and reliability</li><li>■ Improves performance of IPSec functionality in Windows 2000 operating systems through encryption offloading</li><li>■ Adds IPSec functionality to Windows NT* and Windows 98 systems</li><li>■ Provides highest level of encryption widely available for data protection</li></ul>
<b>Advanced Management Capabilities</b> <ul style="list-style-type: none"><li>■ Wired for Management (WfM) 2.0 Enabled</li><li>■ Wake on LAN* and Desktop Management Interface (DMI) 2.0</li><li>■ Pre-installed Intel® Boot Agent</li><li>■ Tivoli* Agents</li><li>■ ACPI Compliant</li><li>■ Intel® PROSet II Utility</li></ul>	<b>Ease IT Administration and Reduce Support Costs</b> <ul style="list-style-type: none"><li>■ Remote management across platforms</li><li>■ Remote troubleshooting and asset management</li><li>■ Deploy and upgrade PCs remotely</li><li>■ Fast, easy access to management applications</li><li>■ Reduced power consumption</li><li>■ Windows utility for easy setup</li></ul>
<b>Standards-based Networking</b> <ul style="list-style-type: none"><li>■ Intel® SingleDriver™ Technology</li><li>■ Supports All Major OSs and NOSs</li><li>■ Backward Compatible</li></ul>	<b>Widespread Compatibility</b> <ul style="list-style-type: none"><li>■ Common set of drivers across Intel® 10/100 network adapters simplifies setup and maintenance, and decreases driver conflicts among new and legacy systems</li><li>■ Compatible with your environment as your network evolves</li><li>■ Integrates with existing Intel® network adapters and network-ready PCs with Intel® Fast Ethernet technology</li></ul>

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

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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) <sup>2</sup>
<b>ADAPTER PRODUCT FEATURES</b>		<ul style="list-style-type: none"> <li>■ Intel® Adaptive Technology</li> <li>■ Intel® SingleDriver™ Technology</li> <li>■ Automatic Driver Installation</li> <li>■ Plug and Play Specification Support</li> <li>■ Full-duplex Capable</li> <li>■ Auto-negotiation</li> <li>■ Easy Installation, Intel® PROSet II Utility</li> </ul>
<b>NETWORK MANAGEMENT</b>		<ul style="list-style-type: none"> <li>■ WfM Baseline v2.0</li> <li>■ DMI 2.0 Support, WMI and SNMP-manageable</li> <li>■ Offline Diagnostics</li> <li>■ Intel® Boot Agent</li> <li>■ ACPI Power Management</li> <li>■ Wake on LAN*</li> <li>■ Tivoli® Agent (Included)</li> </ul>
<b>NOS SOFTWARE SUPPORT<sup>1</sup></b>		<ul style="list-style-type: none"> <li>■ Microsoft Windows® 2000</li> <li>■ Microsoft Windows NT® 3.51, 4.0</li> <li>■ Microsoft Windows 95, 98</li> <li>■ Novell NetWare® 3.x, 4.11, 4.2 &amp; 5</li> <li>■ SunSoft Solaris® (x86) 2.6, 7.0</li> <li>■ SCO UnixWare® 2.1.2, 2.1.3, 7</li> <li>■ Linux® 2.2.5 or Later</li> </ul>
<b>ADVANCED FEATURES</b>		<ul style="list-style-type: none"> <li>■ 802.1Q VLANs</li> <li>■ 802.3x Flow Control</li> <li>■ TCP Checksum Offload</li> <li>■ 802.1p, Intel® Priority Packet II</li> <li>■ Adaptive Performance Tuning</li> <li>■ Full-duplex Flow Control</li> </ul>
<b>TECHNICAL FEATURES</b>		<ul style="list-style-type: none"> <li>■ Data Rate(s) Supported Per Port: 10 &amp; 100Mbps</li> <li>■ Onboard Memory: 18KB</li> <li>■ Interrupt Levels: INTA</li> <li>■ IEEE Support: 802.2 &amp; 802.3</li> <li>■ Data Path Width: 32-bit PCI</li> <li>■ Hardware Certifications: FCC B, CE</li> <li>■ Data Transfer Mode: Bus-master DMA</li> <li>■ Controller – Processor: Intel® 82550EY</li> <li>■ Typical Power Consumption: 250mA @ +5VDC</li> <li>■ Operating Temperature: 0-55°C</li> <li>■ Operating Humidity: 85% at +55°C</li> </ul>
<b>SECURITY FEATURES<sup>1</sup></b>		<ul style="list-style-type: none"> <li>■ IPsec Standard (Windows 2000)</li> <li>■ Intel® Packet Protect (IPsec for Windows 98, NT 4.0)</li> <li>■ Fast Ethernet Controller with integrated encryption co-processor</li> <li>■ DES (56 bit)/3DES (168 bit) Encryption<sup>2</sup></li> <li>■ Authentication Algorithms: <ul style="list-style-type: none"> <li>■ SHA-1</li> <li>■ MD5</li> </ul> </li> <li>■ Authentication Method: <ul style="list-style-type: none"> <li>■ Preshared Key</li> <li>■ Entrust/PKI*</li> </ul> </li> </ul>
<b>INTEL® BACKING</b>		<ul style="list-style-type: none"> <li>■ Limited Lifetime Warranty</li> <li>■ 90-day Money-back Guarantee (U.S. and Canada)</li> </ul>

<sup>1</sup> Go to [www.intel.com/network/os](http://www.intel.com/network/os) for the latest OS/NOS support.

<sup>2</sup> 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](http://www.bxa.doc.gov/encryption).

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## 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 Intel® Networking and Communication products, visit [www.intel.com/network](http://www.intel.com/network)

## ORDER CODES

For additional savings, Intel® adapters can be purchased in multipacks: 5, 20 or 80 adapters with a single driver set and installation manual.

Intel® PRO/100 S Desktop Adapter 5-pack	PILA8460C3 PILA8460C3PAK5
20-pack	PILA8460C3PAK20
80-pack	PILA8460C3PAK80

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

For more detailed information on WfM, visit [www.intel.com/eBusiness](http://www.intel.com/eBusiness)