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
- High-performance LAN Security
  - Encryption Offloading
  - Intel® 82550 Fast Ethernet Controller with Integrated Security Co-processor
  - Windows® 2000 Optimization, IPSec Support
  - Intel® Packet Protect Software
  - 3DES (168 bit) Encryption

- Protection and Performance
  - Adapter offloads IPSec encryption/decryption from PC, conserving CPU resources for greater network performance
  - Combines network functions and encryption offloading into single-chip solution for improved performance and reliability
  - Improves performance of IPSec functionality in Windows 2000 operating systems through encryption offloading
  - Adds IPSec functionality to Windows NT® and Windows 98 systems
  - Provides highest level of encryption widely available for data protection

- Advanced Management Capabilities
  - Wired for Management (WfM) 2.0 Enabled
  - Wake on LAN* and Desktop Management Interface (DMI) 2.0
  - Pre-installed Intel® Boot Agent
  - ToolKit® Agents
  - ACPI Compliant
  - Intel® PROSet II Utility

- Ease IT Administration and Reduce Support Costs
  - Remote management across platforms
  - Remote troubleshooting and asset management
  - Deploy and upgrade PCs remotely
  - Fast, easy access to management applications
  - Reduced power consumption
  - Windows utility for easy setup

- Widespread Compatibility
  - Common set of drivers across Intel® 10/100 network adapters simplifies setup and maintenance, and decreases driver conflicts among new and legacy systems
  - Compatible with your environment as your network evolves
  - Integrates with existing Intel® network adapters and network-ready PCs with Intel® Fast Ethernet technology

- Standards-based Networking
  - Intel® SingleDriver™ Technology
  - Supports All Major OSs and NOSs
  - Backward Compatible
### Specifications

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<th>Specifications</th>
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<tr>
<td><strong>IEEE Standard/Network Topology</strong></td>
<td>10BASE-T, 100BASE-TX</td>
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<td><strong>Wiring and Connectors</strong></td>
<td>Cat-5, 2pr; RJ-45</td>
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<tr>
<td><strong>Product Code</strong></td>
<td>PILA8460C3 (3DES)²</td>
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### Adapter Product Features
- Intel® Adaptive Technology
- Intel® SingleDriver™ Technology
- Automatic Driver Installation
- Plug and Play Specification Support
- Full-duplex Capable
- Auto-negotiation
- Easy Installation, Intel® PROSet II Utility

### Network Management
- WIM 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 Support¹
- 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: 198KB
- Interrupt Levels: INTA, 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 Features¹
- 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) Encryption²
- Authentication Algorithms: SHA-1, MD5
- Authentication Method: Pre-shared Key
- Entrust/PKI®

### Intel® Backing
- Limited Lifetime Warranty
- 90-day Money-back Guarantee

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¹ Go to [www.intel.com/network/itos](http://www.intel.com/network/itos) 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](http://www.bxa.doc.gov/encryption).

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