



## Specifications: Intel® PRO/10GbE SR Server Adapter

### General

|   |   |
|---|---|
| Product Code  | PXLA8591SR  |
| Connectors  | LC duplex   |
| IEEE Standard/Network Topology Wiring                                       | IEEE 10GBase-SR<br>Multi-mode fiber   |
| <b>Adapter Product Features</b>   |   |
| Intel® SingleDriver™ Technology   | ■   |
| Plug and Play Specification Support   | ■   |
| Easy Installation, Intel® PROSet Utility and Intel® PRO Intelligent Install | ■   |
| Full-duplex   | ■   |
| Fiber Medium Distance   | 300 meters with 50 µm multi-mode fiber<br>33 meters with 62.5 µm multi-mode fiber |
| <b>Network Management</b>   |   |
| WBEM-CIM Support  | ■   |
| WMI & SNMP-manageable   | ■   |
| Hardware Diagnostics  | ■   |
| Intel® Boot Agent   | ■   |
| ACPI Power Management   | ■   |
| PXE 2.0   | ■   |
| Jumbo Frames Support (16 KB)  | ■   |
| <b>NOS Software Support</b>   |   |
| Microsoft Windows* 2000   | ■   |
| Microsoft Windows Server 2003   | ■   |
| Linux* 2.2.5 or Later   | ■   |
| Free BSD 1.0.6  | ■   |
| <b>Warranty</b>   |   |
| Limited Lifetime Warranty   | ■   |
| 90-day Money-back Guarantee (U.S. and Canada)                               | ■   |
| <b>Advanced Software Features</b>   |   |
| Adapter Fault Tolerance   | ■   |
| 802.1q VLANs  | ■   |
| 802.3x Flow Control   | ■   |
| TCP Checksum Offload  | ■   |
| IEEE 802.1p*  | ■   |
| TCP Segmentation/Large Send Off-load  | ■   |
| Save and Restore  | ■   |
| <b>Technical Features</b>   |   |
| Data Rate(s) Supported per Port   | 10 Gbps   |
| Bus Type  | PCI or PCI-X  |
| Bus Width   | 64-bit  |
| Bus Speed (MHz)   | 133   |
| Onboard Memory  | 256 KB  |
| Interrupt Levels  | INTA  |
| IEEE Support  | 802.3ae*  |
| Hardware Certifications   | FCC Class A, CE, and Microsoft  |
| Data Transfer Mode  | Bus-master DMA  |
| Controller—Processor  | Intel® 82597EX  |
| Typical Power Consumption   | <9 watts  |
| Operating Temperature   | 0–55°C  |
| Operating Humidity  | 85% at +55°C  |
| Laser Product   | Class 1M laser product  |
| <b>Physical Dimensions</b>  |   |
| Length  | 16.8 cm (6.6 in)  |
| Width   | 9.1 cm (3.575 in)   |

## Order Code

- PXLA8591SR (Single Pack)

## Companion Products

Consider these Intel® products in your server and network planning:

- Intel® PRO/1000 MT Desktop Adapter
- Intel® PRO/1000 MT Server Adapter
- Intel® PRO/1000 MT Dual Port Server Adapter
- Intel® PRO/1000 MT Quad Port Server Adapter
- Intel® PRO/1000 MF Server Adapter
- Intel® PRO/1000 MF Server Adapters (LX)
- Intel® PRO/1000 MF Dual Port Server Adapter
- Intel® PRO/10GbE LR Server Adapter
- Other Intel® PRO Desktop, Mobile, Wireless and Server Adapters
- Intel® Itanium® processors
- Intel® Xeon™ processors
- Intel® Server Boards

## 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/connectivity/how\\_to\\_buy/index.htm](http://www.intel.com/network/connectivity/how_to_buy/index.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](http://support.intel.com/support/network). Service and availability may vary by country.

## For Product Information

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## Online Documents

For the latest product information, visit us at [www.intel.com/network/connectivity](http://www.intel.com/network/connectivity).

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