

# Data Sheet

## Intel® Pro/1000 PT 1 port LAN Adapter Server

Pro/1000 PT single port 1 Gbit PCIe Cu/Ip Card

### Intel® Pro/1000 PT 1 port LAN Adapter

Take advantage of PCI Express (PCIe) server slots to enhance network performance with the Intel® PRO/1000 PT Server Adapter. The dedicated input/output (I/O) bandwidth of PCIe ensures priority performance - without bus sharing - for Gigabit Ethernet connectivity in Category-5 networks. Additionally, the Intel PRO/1000 PT Server Adapter is designed to provide high performance in multiprocessor systems by efficiently balancing network loads across multiple Central Processing Units (CPUs) when used with Receive-Side Scaling from Microsoft or Scalable I/O on Linux. The network adapter for Gigabit Ethernet has also a 10/100/1000 Mbps self-configuration for compatibility with mixed-speed network devices.

For easy installation and management, all Intel® PRO Network Connections are supported by Intel® PRO Intelligent Install and the new Intel® PROSet Utility for Microsoft Device Manager. Intel PROSet simplifies adapter installation and gives you point-and-click power to configure and manage all your Intel PRO Network Connections for connectivity you can count on.



Main Features	Benefits
<ul style="list-style-type: none"> <li>■ Load balancing on multiple CPUs</li> <li>■ Interrupt moderation</li> <li>■ Compatible with x1, x4, x8, and x16 full-height and low-profile PCI Express slots</li> <li>■ Remote Management Support</li> <li>■ Category-5 unshielded twisted pair (UTP), 4-pair cabling</li> <li>■ Intel® PROSet Utility for Microsoft Device Manager</li> <li>■ Advanced cable diagnostics</li> </ul>	<ul style="list-style-type: none"> <li>■ Increases performance on multi-processor systems by efficiently balancing network loads across CPU cores when used with Receive-Side Scaling from Microsoft or Scalable I/O on Linux</li> <li>■ Delivers increase performance while significantly reducing CPU utilization</li> <li>■ Allows use in any PCI Express server slot</li> <li>■ Reduces support costs with remote management based on industry-wide standards</li> <li>■ Uses existing 4-pair cabling and saves re-wiring costs</li> <li>■ Provides point-and-click power over individual adapters, advanced adapter features, connection teaming, and VLAN configuration</li> <li>■ Dynamically tests and reports network problems (error rate, cable length) and automatically compensates for cable issues (cross-over cable, wrong pin-out/polarity)</li> </ul>

# Technical details

## Technical details

Controller type	Ethernet Ctrl.
Controller Silicon	Intel® 82572GI
Controller vendor	Intel®
Network protocol and standards compatibility	IEEE 802.1q VLAN IEEE 802.3ad LACP IEEE 802.1p Class of Service IEEE 802.3i 10BASE-T IEEE 802.3u 100BASE-TX IEEE 802.3ab 1000BASE-T IEEE 802.3x Flow Control IPv4, IPv6 and mixed IPv4/IPv6 network protocols
Number of ports	1
Data transfer rate up to	1 Gbit/s
Auto Negotiation support	Yes
Bus interface	PCIe x1
Bus type	PCIe 1.0a
Bus transfer rate	2.5GT/s
Bus width	x1
Interrupt Levels	INTA
WoL	Yes
LEDs	2 (1/port, link and speed) solid and blinking
Teaming	Scales up to 4 connections / Supports 2 separate teams, maximum
Switch fault tolerance (SFT)	Yes
Adapter fault tolerance (AFT)	Yes
Adaptive load balancing (ALB)	Yes
Remote boot support	PXE 2.0
Additional features	Jumbo Frames
Offloading	TCP checksum, TCP segmentation/large send
iSCSI support	Yes

## Environment

Temperature (operating)	0 - 55 °C
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## Compliance

Compliance notes	According to the corresponding system
Compliance link	<a href="https://sp.ts.fujitsu.com/sites/certificates">https://sp.ts.fujitsu.com/sites/certificates</a>

# More information

## Fujitsu platform solutions

In addition to Fujitsu with Intel® Pro/1000 PT 1 port LAN Adapter, Fujitsu provides a range of platform solutions. They combine reliable Fujitsu products with the best in services, know-how and worldwide partnerships.

### Dynamic Infrastructures

With the Fujitsu Dynamic Infrastructures approach, Fujitsu offers a full portfolio of IT products, solutions and services, ranging from clients to datacenter solutions, Managed Infrastructure and Infrastructure as-a-Service. How much you benefit from Fujitsu technologies and services depends on the level of cooperation you choose. This takes IT flexibility and efficiency to the next level.

### Computing Products

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### Software

[www.fujitsu.com/software/](http://www.fujitsu.com/software/)

## More information

Learn more about Fujitsu Intel® Pro/1000 PT 1 port LAN Adapter, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website.  
<http://ts.fujitsu.com/Primergy>

## Fujitsu green policy innovation

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