

# Data Sheet

## Intel® CT Desktop LAN Adapter Server

CT Desktop single port 1Gbit PCIe Cu/Ip Card

### Intel® CT Desktop LAN Adapter

For Servers with PCI Express (PCIe) slots, the Intel® Gigabit CT Desktop Adapter offers the newest technology for maximizing system performance and increasing end-user productivity.

Specifically, the Intel Gigabit CT Desktop Adapter uses auto-negotiation to ensure the adapter runs at the highest available network speed (10, 100, or 1000 Mbps), and it maintains full bandwidth capacity with the dedicated bandwidth of a PCI Express input/output (I/O) bus to provide connectivity you can count on.

Based on the low-power Intel® 82574L Gigabit Ethernet Controller, this desktop adapter offers optimal performance in a low-cost, low-power, compact profile. Teaming support and an array of other advanced features enable customers to utilize this adapter as an entry-level server adapter as well.



Main Features	Benefits
<ul style="list-style-type: none"> <li>■ Interrupt moderation</li> <li>■ Compatible with Fast Ethernet and Ethernet</li> <li>■ 10/100/1000 Mbps auto-negotiation</li> <li>■ Advanced configuration and power interface (ACPI); Wake on LAN (WoL); Preboot Execution Environment (PXE)</li> <li>■ Remote Management Support</li> <li>■ Intel® PROSet Utility for Microsoft Device Manager</li> <li>■ Advanced cable diagnostics</li> </ul>	<ul style="list-style-type: none"> <li>■ Delivers increased performance while significantly reducing CPU usage</li> <li>■ Reduces deployment and training costs and enables easy, quick migration to Gigabit Ethernet</li> <li>■ Automatically compatible with Ethernet, Fast Ethernet, and Gigabit Ethernet networks</li> <li>■ Allows low-power consumption, remote wake, and remote booting</li> <li>■ Reduces support costs with remote management based on industry-wide standards</li> <li>■ Provides point-and-click power over individual adapters, advanced adapter features, connection teaming, and virtual local area network (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® 82574L
Controller vendor	Intel®
Network protocol and standards compatibility	IEEE 802.3i 10BASE-T IEEE 802.3u 100BASE-TX IEEE 802.3ab 1000BASE-T IEEE 802.1q VLAN IEEE 802.1p Class of Service 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 1.1 x1
Bus transfer rate	2.5GT/s
Interrupt Levels	INTA MSI MSI-X
WoL	Yes
LEDs	LINK/ACTIVITY LED: off=NO LINK; on=LINK; blinking=ACTIVITY
Teaming	Yes
Remote boot support	PXE 2.0
Additional features	Jumbo Frames
Offloading	TCP segmentation/large send
iSCSI support	Yes

## Environment

Temperature (operating)	0 - 55 °C
Storage temperature	-40 - 70 °C

## 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® CT Desktop 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® CT Desktop 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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## Contact

FUJITSU LIMITED  
Mies-van-der-Rohe-Straße 8  
80807 München  
Germany  
Website: [www.ts.fujitsu.com](http://www.ts.fujitsu.com)  
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