

Data Sheet

FUJITSU LAN Adapter D2735-2 Server

D2735-2 dual port 1 Gbit PCIe x4 card

LAN Adapter D2735-2

Trust the network communication of the new Fujitsu Ethernet LAN adapter. The new Fujitsu D2735-2 Ethernet LAN Adapter, based on the Intel® chip 82576NS, offers two Gigabit Ethernet ports for 10/100/1000BaseT.

Virtualization support and Wake-on LAN with selectable port are just some of the features from which you will benefit.

Optimal support for your virtualization is provided by the support for Virtual Machine Device Queues (VMDq), Single Root I/O virtualization and sharing specification (SR-IOV). SR-IOV requires corresponding support in the system BIOS and in the operating system.

PCI-SIG SR-IOV defines extensions of the PCI Express (PCIe) specification and enables PCI hardware resources to be shared with several system images or Virtual Machines.



Main Features	Benefits
<ul style="list-style-type: none"> ■ Intel® 82576NS 1 Gigabit Ethernet Controller 	<ul style="list-style-type: none"> ■ Industry-leading, energy-efficient design for next-generation 1 Gigabit performance and multi-core processors
<ul style="list-style-type: none"> ■ Low and full high profile 	<ul style="list-style-type: none"> ■ Enables higher bandwidth and throughput from standard and low-profile PCIe slots and servers
<ul style="list-style-type: none"> ■ 10/100/1000 Mbps 	<ul style="list-style-type: none"> ■ Automatically compatible with Ethernet, Fast Ethernet, and Gigabit Ethernet networks
<ul style="list-style-type: none"> ■ Virtualization 	<ul style="list-style-type: none"> ■ Multi-port cards provide the platform with the port density required for virtualized environments

Technical details

Technical details

Controller type	Ethernet Ctrl.
Controller Silicon	Intel® 82576NS Gigabit Ethernet Controller
Controller vendor	Fujitsu
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 802.3x Flow Control IEEE 802.3ad LACP IEEE 802.1p Class of Service IEEE 1588 Precision Time Protocol IPv4, IPv6 and mixed IPv4/IPv6 network protocols
Number of ports	2
Number of Connectors	2
Data transfer rate up to	1 Gbit/s
Auto Negotiation support	Yes
Bus interface	PCIe x4
Bus type	PCIe 2.0
Bus transfer rate	2.5GT/s
Bus width	x4
HW Virtualization	SR-IOV
Interrupt Levels	MSI-X INTA MSI
WoL	Yes
LEDs	Link/Activity, Speed
Virtualization	VMDq and SR-IOV support
Teaming	With other Fujitsu and Intel LAN Adapters released for PRIMERGY servers
Switch fault tolerance (SFT)	Yes
Adapter fault tolerance (AFT)	Yes
Adaptive load balancing (ALB)	Yes
Flow Control	IEEE 802.3 2005
Remote boot support	PXE 2.0
Additional features	Jumbo Frames
Offloading	Tx/Rx IP, SCTP, TCP, and UDP checksum (IPv4, IPv6), Tx TCP segmentation (IPv4, IPv6)
iSCSI support	Yes

Environment

Temperature (operating)	0 - 60 °C
Storage temperature	-20 - 70 °C

Compliance

Compliance notes	According to the corresponding system
Compliance link	https://sp.ts.fujitsu.com/sites/certificates

More information

Fujitsu platform solutions

In addition to Fujitsu with LAN Adapter D2735-2, 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.

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More information

Learn more about Fujitsu LAN Adapter D2735-2, 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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