

Data Sheet

Fujitsu LAN Adapter D3045

D3045 quad port 1 Gbit PCIe x4 card

Ethernet cards enable data exchange between all the devices connected in a local network (LAN). A networked IT infrastructure that functions well is of great significance when managing and controlling critical business processes in a company. The wide range of complex information transported across the network relies on fast and reliable data processing by the network cards. The cards offers at least one Ethernet interface which is designed for the respective network types and network architectures. The bus interface links the network card with the server.

specification and enables PCI hardware resources to be shared with several system images or Virtual Machines.

The new functions for Energy Efficient Ethernet (EEE) are also supported; this helps to decrease the power consumption of the server itself.



LAN Adapter D3045

Trust the network communication of the new Fujitsu Ethernet LAN adapter. The new Fujitsu D3045 Ethernet LAN Adapter, based on the Intel® 1GbE LAN Powerville I350-AM4 chip, offers four 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)

Main Features	Benefits
<ul style="list-style-type: none"> ■ Based on the Intel® 1 GbE LAN Powerville I350 -AM4 chip ■ Power Management and Savings with EEE support ■ 10/100/1000 Mbps ■ Virtualization support via VMDq and SR-IOV 	<ul style="list-style-type: none"> ■ Industry-leading, energy-efficient design for next-generation 1 Gigabit performance and multi-core processors ■ This helps to decrease the power consumption of the server itself. ■ Automatically compatible with Ethernet, Fast Ethernet, and Gigabit Ethernet networks ■ Multi-port cards provide the platform with the port density required for virtualized environments

Technical details

Technical details

Controller Silicon	Intel® I350-AM4 Gigabit Ethernet Controller		
Controller type	Ethernet Ctrl.		
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 802.3az Power Management and Savings IEEE802.1as Time Sync IEEE 1588 Precision Time Protocol IPv4, IPv6 and mixed IPv4/IPv6 network protocols DMA Coalescing (DMAC)		
Number of ports	4		
Number of Connectors	4		
Data transfer rate up to	1 Gbit/s		
Auto Negotiation support	Yes		
Bus interface	PCIe x4		
Bus type	PCIe 2.0		
Bus transfer rate	5GT/s		
Bus width	x4		
HW Virtualization	SR-IOV		
Interrupt Levels	INTA INTB INTC INTD MSI MSI-X		
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 802.3x		
Remote Boot support	PXE 2.0		
iSCSI support	Yes		
Additional Features	Jumbo Frames		
Offloading	Tx/Rx IP, SCTP, TCP, and UDP checksum (IPv4, IPv6), Tx TCP segmentation (IPv4, IPv6)		
Order code	Height of bracket	Number of Connectors	Formfactor
S26361-F3739-E1	Full Height (FH)	4	Low profile
S26361-F3739-E201	Low Profile (LP)	4	Low profile
S26361-F3739-L501	Full Height / Low Profile	4	Low profile

Environmental

Power consumption	typ. 4.2 W, max. 5 W
Power consumption	

Environmental

Temperature (Operating) 0 - 60°C

Temperature (Not Operating) -20 - 70°C

Compliance

Compliance notes According to the corresponding system

Compliance link <http://sp.ts.fujitsu.com/sites/certificates/>

More information

Fujitsu OPTIMIZATION Services

In addition to Fujitsu LAN Adapter D3045, Fujitsu provides a range of platform solutions. They combine reliable Fujitsu products with the best in services, know-how and worldwide partnerships.

Fujitsu Portfolio

Build on industry standards, Fujitsu offers a full portfolio of IT hardware and software products, services, solutions and cloud offering, ranging from clients to datacenter solutions and includes the broad stack of Business Solutions, as well as the full stack of Cloud offering. This allows customers to leverage from alternative sourcing and delivery models to increase their business agility and to improve their IT operation's reliability.

Computing Products

www.fujitsu.com/global/services/computing/

Software

www.fujitsu.com/software/

More information

Learn more about Fujitsu LAN Adapter D3045, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website.
www.fujitsu.com/fts

Fujitsu green policy innovation

Fujitsu Green Policy Innovation is our worldwide project for reducing burdens on the environment. Using our global know-how, we aim to contribute to the creation of a sustainable environment for future generations through IT. Please find further information at <http://www.fujitsu.com/global/about/environment/>



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