

# Data Sheet

## Fujitsu PRIMERGY 10Gb Modular LAN Adapter

D2755 SFP+ dual port 10 Gbit PCIe x8

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.



### PRIMERGY 10Gb Modular LAN Adapter

The new Fujitsu Ethernet D2755 Server Adapter is the most flexible and scalable Ethernet adapter for today's demanding data center environments. The Fujitsu Ethernet D2755 Server Adapter addresses the demanding needs of the next-generation data center by providing unmatched features for virtualization, flexibility for LAN and SAN networking, and proven, reliable performance.

Main Features	Benefits
<ul style="list-style-type: none"> <li>■ Intel® 82599 10 Gigabit Ethernet Controller</li> <li>■ Low-profile PCB</li> <li>■ Load balancing on multiple CPUs</li> <li>■ Time Sync (IEEE 1588, 802.1as)</li> <li>■ Intel® PROSet utility for Microsoft Windows Device Manager</li> </ul>	<ul style="list-style-type: none"> <li>■ Industry-leading, energy-efficient design for next-generation 10 Gigabit performance and multi-core processors</li> <li>■ Enables higher bandwidth and throughput from standard and low-profile PCIe slots and servers</li> <li>■ Increases performance on multi-processor systems by efficiently balancing network loads across CPU cores when used with Receive-Side Scaling (RSS) from Microsoft or Scalable I/O on Linux</li> <li>■ Lets networked Ethernet equipment synchronize internal clocks according to a network master clock; endpoint can then acquire an accurate estimate of the master time by compensating for link</li> <li>■ Provides point-and-click management of individual adapters, advanced adapter features, connection teaming, and virtual local area network (VLAN) configuration</li> </ul>

# Technical details

## Technical details

<b>Controller Silicon</b>	Intel® 82599 10 Gigabit Ethernet Controller
<b>Controller type</b>	Ethernet Ctrl.
<b>Network protocol and standards compatibility</b>	IEEE 802.3ae 10Gbit Ethernet IEEE 802.1q VLAN IEEE 802.3x Flow Control IEEE 802.1p Class of Service IEEE 802.3ad LACP IEEE 1588 Precision Time Protocol IEEE802.1as Time Sync IPv4, IPv6 and mixed IPv4/IPv6 network protocols
<b>Number of ports</b>	2
<b>Data transfer rate up to</b>	10 Gb
<b>Auto Negotiation support</b>	No
<b>Bus interface</b>	PCIe x8
<b>Bus type</b>	PCIe 2.0
<b>Bus transfer rate</b>	5GT/s
<b>Bus width</b>	x8
<b>Interrupt Levels</b>	MSI-X INTA MSI
<b>WoL</b>	Yes
<b>WoL comment</b>	only with next generation PRIMERGY server
<b>LEDs</b>	LINK (solid) and ACTIVITY (blinking) LINK SPEED (green = 10G)
<b>Virtualization</b>	VMDq (64 queues per port) SR-IOV ready (64 virtual function per port) VMBL (Virtual Maschine Load Balancing) VLAN support with VLAN tag insertion, stripping and packet filtering for up to 4096 VLAN tags
<b>Teaming</b>	With other Intel based LAN solution (1GbE and 10GbE LoM / adapters)
<b>Switch fault tolerance (SFT)</b>	Yes
<b>Adapter fault tolerance (AFT)</b>	Yes
<b>Adaptive load balancing (ALB)</b>	Yes
<b>Remote Boot support</b>	PXE 2.0
<b>iSCSI support</b>	Yes
<b>Additional Features</b>	multiplexed management LAN with next generation PRIMERGY server
<b>Offloading</b>	TX/RX IP, TCP & UDP checksum offload (IPv4, IPv6) capabilities IPv6 segmentation capability extended to new standard type

Order code	Product Name (FTS)	Height of bracket	Formfactor
S26361-F3629-E202	Eth Ctrl 2x10Gbit PCIe x8 D2755 SFP+ 1p	Low Profile (LP)	Low profile
S26361-F3629-E2	Eth Ctrl 2x10Gbit PCIe x8 D2755 SFP+	Full Height (FH)	Low profile
S26361-F3629-L502	Eth Ctrl 2x10Gbit PCIe x8 D2755 SFP+	Full Height / Low Profile	Low profile

## Supported Interface Modules / Cables

Order code	Application	Type / mode	Connector / cable Length
S26361-F3986-L3	Ethernet 10 Gb	SFP+ / MMF (SWL)	LC-style / up to 300m
S26361-F3986-L4	Ethernet 10 Gb	SFP+ / SMF (LWL)	LC-style / up to 10Km
S26361-F3986-E3	Ethernet 10 Gb	SFP+ / MMF (SWL)	LC-style / up to 300m
S26361-F3986-E4	Ethernet 10 Gb	SFP+ / SMF (LWL)	LC-style / up to 10km
S26361-F3989-L102	Ethernet 10 Gb	SFP+ Twinax Cable / active	SFP+ / 2m
S26361-F3989-L105	Ethernet 10 Gb	SFP+ Twinax Cable / active	SFP+ / 5m
S26361-F3989-L110	Ethernet 10 Gb	SFP+ Twinax Cable / active	SFP+ / 10m

**Supported Interface Modules / Cables**

<b>Order code</b>	<b>Application</b>	<b>Type / mode</b>	<b>Connector / cable Length</b>
EBR800-TWX-3M	Ethernet 10 Gb	SFP+ Twinax Cable / active	SFP+ / 3m
EBR800-TWX-3M-L	Ethernet 10 Gb	SFP+ Twinax Cable / active	SFP+ / 3m
EBR800-TWX-5M	Ethernet 10 Gb	SFP+ Twinax Cable / active	SFP+ / 5m
EBR800-TWX-5M-L	Ethernet 10 Gb	SFP+ Twinax Cable / active	SFP+ / 5m
CIO:SFP-H10GB-CU1M	Ethernet 10 Gb	SFP+ Twinax Cable / passive	SFP+ / 1m
CIO:SFP-H10GB-CU3M	Ethernet 10 Gb	SFP+ Twinax Cable / passive	SFP+ / 3m
CIO:SFP-H10GB-CU5M	Ethernet 10 Gb	SFP+ Twinax Cable / passive	SFP+ / 5m
Interface Module notes	Only Fujitsu certified modules are supported Order codes starting with "EBR800" are Brocade cables Order Codes starting with "CIO" are Cisco cables		

**Environmental**

<b>Power consumption</b>	Dual Port 10GBase-SR typ. 10 W, max. 10.7 W Dual Port SFP+ Twinax typ. 7.9 W, max. 8.6 W
<b>Temperature (Operating)</b>	0 - 55°C
<b>Temperature (Not Operating)</b>	-40 - 70°C

**Compliance**

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

## More information

### Fujitsu platform solutions

In addition to Fujitsu PRIMERGY 10Gb Modular 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

[www.fujitsu.com/global/services/computing/](http://www.fujitsu.com/global/services/computing/)

#### Software

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

### More information

Learn more about Fujitsu PRIMERGY 10Gb Modular LAN Adapter, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website.  
<http://www.fujitsu.com/PRIMERGY>

### 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 resolve issues of environmental energy efficiency through IT. Please find further information at <http://www.fujitsu.com/global/about/environment/>



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