

Data Sheet

PLAN CP 4x1Gbit Cu Intel® I350-T4

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.

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Trust the network communication of the new Ethernet LAN adapter. The new Intel I350-T4 Ethernet LAN Adapter, based on the latest Intel® 1GbE chip technology, 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) specification and enables PCI hardware resources to be shared with several system images or Virtual Machines.

The new functions for energy efficient Ethernet (EEE) and DMA Coalescing (DMAC) are also supported; this helps to decrease the power consumption of the server itself.



Features & Benefits

Main Features	Benefits
Scalable performance <ul style="list-style-type: none">■ Based on the latest Intel® 1 GbE chip technology	■ Energy-efficient design for next-generation 1 Gigabit performance and multi-core processors
Flexible power management <ul style="list-style-type: none">■ Power Management such as Energy Efficient Ethernet (EEE) and DMA Coalescing (DMAC) support	■ Increased efficiency and reduced power consumption
Efficient networking <ul style="list-style-type: none">■ Virtualization support via VMDq and SR-IOV	■ Multi-port cards provide the platform with the port density required for virtualized environments
Connectivity <ul style="list-style-type: none">■ 10/100/1000 Mbps	■ Automatically compatible with Ethernet, Fast Ethernet, and Gigabit Ethernet networks

Technical details

Technical details

Controller Silicon	Intel® I350-AM4 Gigabit Ethernet Controller
Controller type	Ethernet Ctrl.
Connector type	RJ45
Released drivers list link	http://support.ts.fujitsu.com/Download/Index.asp
Number of ports	4
Data transfer rate(s)	1 Gbit/s; 100 MBit/s; 10 MBit/s
Auto Negotiation support	Yes
Bus interface	PCIe 2.1 x4
Bus transfer rate	5GT/s
LEDs	Link/Activity, Speed
Network protocol and standards compatibility	IEEE 802.1as Timing and Synchronization IEEE 802.1q VLAN IEEE 802.3ab 1000BASE-T IEEE 802.3ad LACP IEEE 802.3az Energy Efficient Ethernet (EEE) IEEE 802.3i 10BASE-T IEEE 802.3u 100BASE-TX IEEE 802.3x Flow Control IEEE 1588 Precision Time Protocol
HW Virtualization	PCI-SIG SR-IOV specification, up to 8 Virtual Functions per Port (32 VF)
Interrupt Levels	INTA; INTB; INTC; INTD; MSI; MSI-X
WoL	Yes
Virtualization	VMware NetQueue and Microsoft VMQ (Eight transmit (Tx) and receive (Rx) queue pairs per port) On-chip VM-VM traffic enables PCIe speed switching between VM
Teaming	by OS driver
Switch fault tolerance (SFT)	Yes
Adapter fault tolerance (AFT)	Yes
Adaptive load balancing (ALB)	Yes
Remote boot support	PXE 2.1
iSCSI support	Yes
Additional features	Jumbo Frames (up to 9.5k)
Offloading	<ul style="list-style-type: none"> • TCP/UDP, IPv4 checksum offloads (Rx/ Tx/Large-send); Extended Tx descriptors for more offload capabilities • IPv6 support for IP/TCP and IP/UDP receive checksum offload • Tx TCP segmentation offload (IPv4, IPv6) • Transmit Segmentation Offloading (TSO) • Receive Side Scaling (RSS) for Windows environment

Order code	Height of bracket	Number of ports	Related product
S26361-F4610-E204	Low Profile (LP)	4	PRIMERGY Server
S26361-F4610-E4	Full Height (FH)	4	PRIMERGY Server
S26361-F4610-L504	Full Height / Low Profile	4	PRIMERGY Server

Environment

Power consumption	typ. 5.0 W; max. 6.0 W
Temperature (operating)	0 - 55 °C
Storage temperature	-40 - 70 °C

Compliance

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

Notes

Compatibility	If and to the extent a list of components or certain compatibilities are specified in the product data sheet, these component lists and compatibility specifications are exhaustive. Using deviating or other system components and applications together with the product may but does not necessarily have to lead to compatibility problems. A final statement and/or commitment on the compatibility of such deviating or other system components and applications can only be provided after a corresponding verification through a dedicated compatibility testing.
Performance	To the extent that specific performance specifications for the product are indicated in the product data sheet, these are usually also dependent on the specific use and workload of the product and may therefore not be reached equally in all application situations. Such performance specifications thus do not represent a specifically agreed characteristic or feature of the product, but only serves as an orientation. The responsibility for a sufficient sizing of the overall system functionality lies solely with the user.

More information

Fsas Technologies products, solutions & services

In addition to PLAN CP 4x1Gbit Cu Intel® I350-T4, Fsas Technologies provides a range of platform solutions. They combine reliable Fsas Technologies products with the best in services, know-how and worldwide partnerships.

Fsas Technologies Portfolio
Built on industry standards, Fsas Technologies offers a full portfolio of datacenter hardware, software and related services. This allows customers to select alternative sourcing and delivery models to increase their business agility and to improve their IT operation's reliability.

Data Center Solutions
www.fujitsu.com/global/products/computing/

More information

Learn more about PLAN CP 4x1Gbit Cu Intel® I350-T4, please contact your Fsas Technologies sales representative or Business partner, or visit our website.
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 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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