# FUJITSU

# Data Sheet
## FUJITSU 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. 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.

### PLAN CP 4x1Gbit Cu Intel® I350-T4
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.

| Main Features | Benefits |
|---|---|
| ■ Based on the latest Intel® 1 GbE chip technology | ■ Industry-leading, energy-efficient design for next-generation 1 Gigabit performance and multi-core processors |
| ■ Power Management such as Energy Efficient Ethernet (EEE) and DMA Coalescing (DMAC) support | ■ This contributes to increased efficiency and reduces power consumption. |
| ■ 10/100/1000 Mbps | ■ Automatically compatible with Ethernet, Fast Ethernet, and Gigabit Ethernet networks |
| ■ Virtualization support via VMDq and SR-IOV | ■ 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. |
| Connector type | RJ45 |
| 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<br>IEEE 802.1q VLAN<br>IEEE 802.3ab 1000BASE-T<br>IEEE 802.3ad LACP<br>IEEE 802.3az Energy Efficient Ethernet (EEE)<br>IEEE 802.3i 10BASE-T<br>IEEE 802.3u 100BASE-TX<br>IEEE 802.3x Flow Control<br>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)<br>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 | • TCP/UDP, IPv4 checksum offloads (Rx/ Tx/Large-send); Extended Tx descriptors for more offload capabilities<br>• IPv6 support for IP/TCP and IP/UDP receive checksum offload<br>• Tx TCP segmentation offload (IPv4, IPv6)<br>• Transmit Segmentation Offloading (TSO)<br>• Receive Side Scaling (RSS) for Windows environment |

| Order code | Height of bracket | Number of ports | Related product |
|---|---|---|---|
| MC-0JGE91 | Low Profile (LP) | 4 | PRIMEQUEST Server |
| MC-0JGE92 | Full Height (FH) | 4 | PRIMEQUEST Server |
| MCX0JGE91 | Low Profile (LP) | 4 | PRIMEQUEST Server |
| MCX0JGE92 | Full Height (FH) | 4 | PRIMEQUEST Server |
| S26361-F4610-E204 | Low Profile (LP) | 4 | PRIMERGY Server |
| S26361-F4610-E4 | Full Height (FH) | 4 | PRIMERGY Server |
| S26361-F4610-E704 | Full Height (FH) | 4 | PRIMERGY Server |
| S26361-F4610-E804 | Low Profile (LP) | 4 | PRIMERGY Server |
| S26361-F4610-L504 | Full Height / Low Profile | 4 | PRIMERGY Server |

## Environmental

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|---|---|
| Power consumption | typ. 5.0 W; max. 6.0 W |
| Temperature (operating) | 0 - 55 ℃ |
| Temperature (not operating) | -40 - 70 ℃ |

## Compliance

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|---|---|
| **Compliance notes** | According to the corresponding system |
| **Compliance link** | http://globalsp.ts.fujitsu.com/sites/certificates |

# More information

## Fujitsu OPTIMIZATION Services

In addition to Fujitsu with PLAN CP 4x1Gbit Cu Intel® I350-T4, 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 PLAN CP 4x1Gbit Cu Intel® I350-T4, 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