

Data Sheet

FUJITSU PACC EP QAT8970

Adapter supporting Intel® QuickAssist Technology and provides Crypto-Acceleration and Compression Acceleration

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.

encryption ~100Gb/s, and RSA ~100 Ops/s. The adapter ships without any kind of drivers, end customers are responsible to develop, provide them themselves, or download from Intel as soon as available. The adapter card does not implement any kind of Ethernet network functionality, except that it accelerates Ethernet traffic from either DynamicLoM or Intel Ethernet adapter cards.



PACC EP QAT8970

The Fujitsu PACC EP QAT8970 adapter is based on the Intel® QuickAssist Technology and provides Crypto-Acceleration and Compression Acceleration. The PACC EP QAT8970 provides customers with a scalable, flexible and extendable way to offer QuickAssist crypto acceleration and Compression capabilities to their existing product lines. Intel® QuickAssist Technology provides hardware acceleration to assist with the performance demands of securing and routing Internet traffic and other workloads such as compression and wireless 3G/4G LTE algorithm offload, thereby reserving processor cycles for application and control processing.

This PCIe x16 adapter card adds QuickAssist technology to systems with Intel C624 LBG-4 chipset implementations, in order to provide feature-parity with Intel C627 LBG-T chipsets. QuickAssist accelerates compression ~65Gb/s,

Main Features	Benefits
Scalable performance <ul style="list-style-type: none"> ■ Intel® QuickAssist Technology 	<ul style="list-style-type: none"> ■ Provides hardware acceleration services for efficient cryptographic and compression performance
Flexible networking <ul style="list-style-type: none"> ■ Compatible with x16 standard and low-profile PCI Express slots 	<ul style="list-style-type: none"> ■ Enables Intel® QuickAssist Technology in standard and low-profile systems without the need for proprietary form-factor solutions
Efficient networking <ul style="list-style-type: none"> ■ PCI-SI SR-IOV Implementation (16 virtual functions) for Intel® QuickAssist Technology services 	<ul style="list-style-type: none"> ■ Implementation of I/O Virtualization. The physical configuration of each device is divided into multiple virtual devices. Each virtual device is assigned to an individual virtual machine directly bypassing the virtual switch in the Hypervisor, resulting in near-native performance
Connectivity <ul style="list-style-type: none"> ■ Accelerates Ethernet traffic 	<ul style="list-style-type: none"> ■ The adapter card does not implement any kind of Ethernet network functionality; it accelerates Ethernet traffic from either DynamicLoM or Ethernet adapter cards

Technical details

Technical details

Controller Silicon	Intel® QuickAssist 8970 Controller
Released drivers list link	http://support.ts.fujitsu.com/Download/Index.asp
Bus interface	PCIe 3.0 x16
Virtualization	VMDq

Order code	Product Name	Height of bracket	Related product
S26361-F4062-E100	PACC EP QAT8970	Full Height (FH)	PRIMERGY Server
S26361-F4062-E200	PACC EP QAT8970	Low Profile (LP)	PRIMERGY Server
S26361-F4062-L500	PACC EP QAT8970	Full Height / Low Profile	PRIMERGY Server

Environment

Power consumption	23 W
Power consumption	
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

More information

Fujitsu products, solutions & services

In addition to Fujitsu with PACC EP QAT8970 , 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/products/computing/

Software
www.fujitsu.com/software/

More information

Learn more about Fujitsu PACC EP QAT8970 , please contact your Fujitsu sales representative or Fujitsu 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>



Green Policy Innovation

Copyrights

All rights reserved, including intellectual property rights. Designations may be trademarks and/or copyrights of the respective owner, the use of which by third parties for their own purposes may infringe the rights of such owner. For further information see <https://www.fujitsu.com/global/about/resources/terms/>
Copyright 2024 Fujitsu LIMITED

Disclaimer

Please note that the data sheet reflects the technical specification with the maximum selection of components for the named system and not the detailed scope of delivery. The scope of delivery is defined by the selection of components at the time of ordering. The product was developed for normal business use.
Technical data is subject to modification and delivery subject to availability. Any liability that the data and illustrations are complete, actual or correct is excluded. Designations may be trademarks and/or copyrights of the respective owner, the use of which by third parties for their own purposes may infringe the rights of such owner.