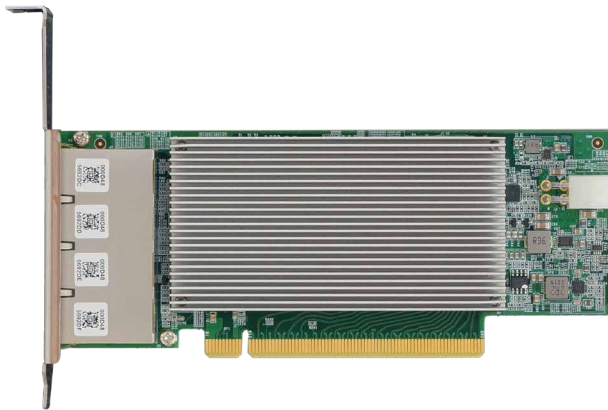


OT019

QAT(Crypto Acceleration) Card



► Features

- Intel® C627 PCH
- 4x 1GbE RJ45 Ports
- QAT adaptor



► Introduction

AEWIN is ready to accelerate cryptography and compression workloads with latest Intel® QuickAssist Technology enabled adaptor. Powered by Intel C627 chipset, AEWIN OT019 are designed to offer hardware acceleration in compute intensive tasks, such as encryption and compression workloads, freeing up CPU for additional tasks.

Utilizing the widely supported QuickAssist API, these adaptors can enable additional layer of security through a variety of cryptographic algorithms, such as RSA, AES, and KASUMI. OT019 provides up to 100Gbps throughput in AES128, and up to 472k ops/sec in RSA. Additionally, they can be used to compress data to free up congested network bandwidth, or reduce storage requirements.

AEWIN's new QAT adaptors are standard Half-Height, Half-Length PCIe form factor with PCIe Gen 3 x16 connection to the host. That equipped with 4x RJ45 1GbE LAN ports, it extends the security and connectivity of your system. Please contact AEWIN sales representatives and see how to integrate QAT into your AEWIN servers.



► Specification

Platform	
Form Factor	Standard PCIe x16 HHHL
LAN Controller	Intel® C627 PCH
Ethernet Port	4x 1GbE RJ45 Ports
Bypass	-
Bus Type	PCIe Gen3 x16
Mechanical	Dimension(W x D x H): 67.5 x 167.65 x 19.96 mm Weight(with Heatsink & Bracket): 210g
Environmental	
Operating Environment	Temperature: 0-45°C(32-113°F) Humidity: 20-90% RH
Storage Environment	Temperature: 0-70°C(32-158°F) Humidity: 5-95% RH @ 55°C
OS Support	Windows, Linux, FreeBSD

► Order Information

OT019A	Expansion module for Low-Profile PCIe x16 QAT card with 4x 1GbE RJ45 ports, Intel C627 PCH + Marvell 88E1543 PHY
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