

OT018

OCP QAT Card



► Features

- Intel® C627 PCH
- 4x 1GbE RJ45 Ports
- OCP 3.0 SFF



► Introduction

AEWIN is ready to accelerate cryptography and compression workloads with latest Intel® QuickAssist Technology enabled adaptor. Powered by Intel C627 chipset, AEWIN OT018 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. OT018 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 OCP 3.0 SFF form factor. 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	OCP QAT Card
LAN Controller	Intel® C627 PCH
Ethernet Port	4x 1GbE RJ45 Ports
Bypass	-
Bus Type	PCIe Gen3 x16

Mechanical

Dimension(W x D x H):
76 x 115 x 17.11 mm
Weight(with Heatsink & Bracket):
155g

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

OT018A	Expansion module for OCP 3.0 SFF NIC with QAT and 4x 1GbE RJ45 ports, Intel C627 PCH + Marvell 88E1543 PHY
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