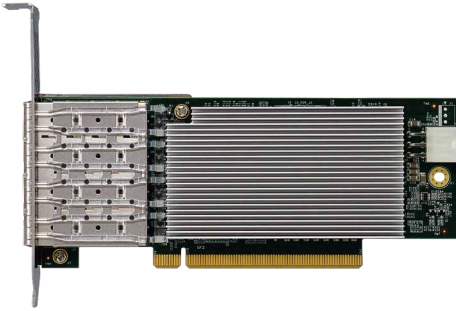


OT008

Intel QAT Card



► Features

- Intel® C627 PCH
- 4x 10GbE SFP+ Ports (optional)
- Intel® QAT for Crypto and Compression, Acceleration up to 100Gbps

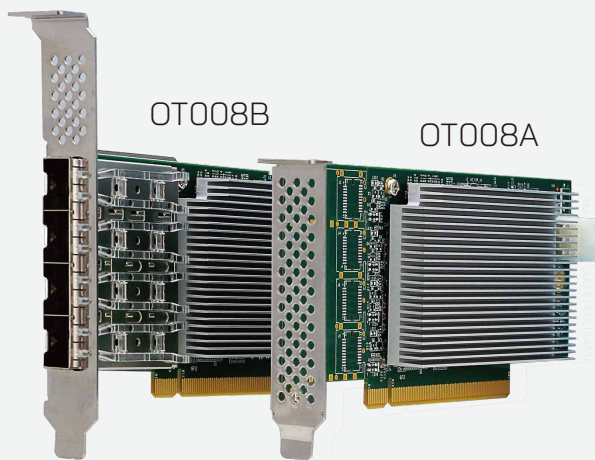


► Introduction

AEWIN is ready to accelerate cryptography and compression workloads with latest Intel® QuickAssist Technology enabled adaptor. Powered by Intel C627 chipset, AEWIN OT008 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. OT008 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. Optionally equipped with 4x 10GbE SFP+ 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.



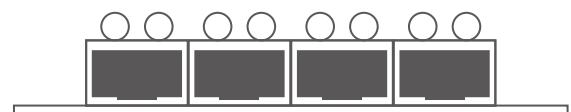
► Specification

Platform	
Form Factor	Standard PCIe Card
LAN Controller	Intel® C627 PCH
Features	Intel® QuickAssist Technology for Crypto and Compression, Acceleration up to 100Gbps
Ethernet Port	4x 10GbE SFP+ Ports (optional)
Bypass	-
Bus Type	PCIe Gen3 x16
PCIe Voltage	+12V
Power Consumption	23W/28.6W
Power Consumption	Passive Heatsink (55°C at air velocity 200LFM)
Mechanical	Dimension(W x D x H): 68.9 x 167.65 x 16.07 mm Weight : 200g
Environmental	
Operating Environment	Temperature: 0-55°C(32-131°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

OT008A	1x Intel® C627 PCH, Expansion module for QAT without LAN Port
OT008B	1x Intel® C627 PCH, Expansion module for QAT with 4x 10GbE SFP+ Ports

► LED



LED	State	Description
Left LAN LED (LNK/ACT)	Green ■	Link: Always on
Right LAN LED (Speed)	Green ■	Active: Blinking