

OT001



► Features

- Intel® C626 PCH
- 4x 10GbE SFP+ Ports (optional)
- Intel® QAT for Crypto and Compression, Acceleration up to 100Gbps

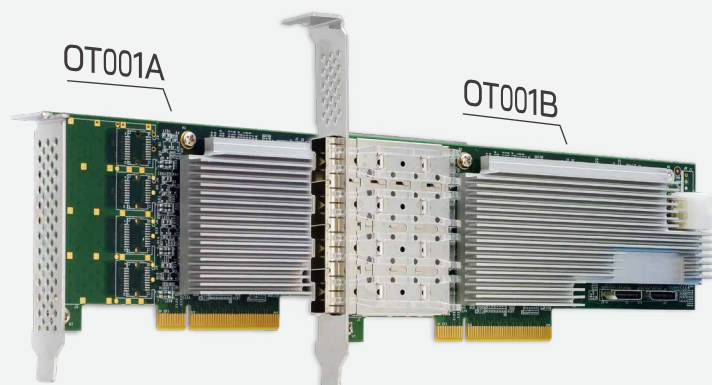


► Introduction

AEWIN is ready to accelerate cryptography and compression workloads with latest Intel® QuickAssist Technology enabled adaptor. Powered by Intel C626 chipset, AEWIN OT001 is 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. OT001 provides up to 40Gbps and 100Gbps throughput in AES128 respectively, and up to 197k and 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 x8 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® C626 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 x8 and available Ext. 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(with tray): 390g
Weight(without tray): 200g

Environmental

Operating Environment Temperature: 0-55°C(32-131°F)
Humidity: 20-90% RH

Storage Environment Temperature: 0 -70°C(14-158°F)
Humidity: 5-95% RH @ 55°C

OS Support Windows, Linux, FreeBSD

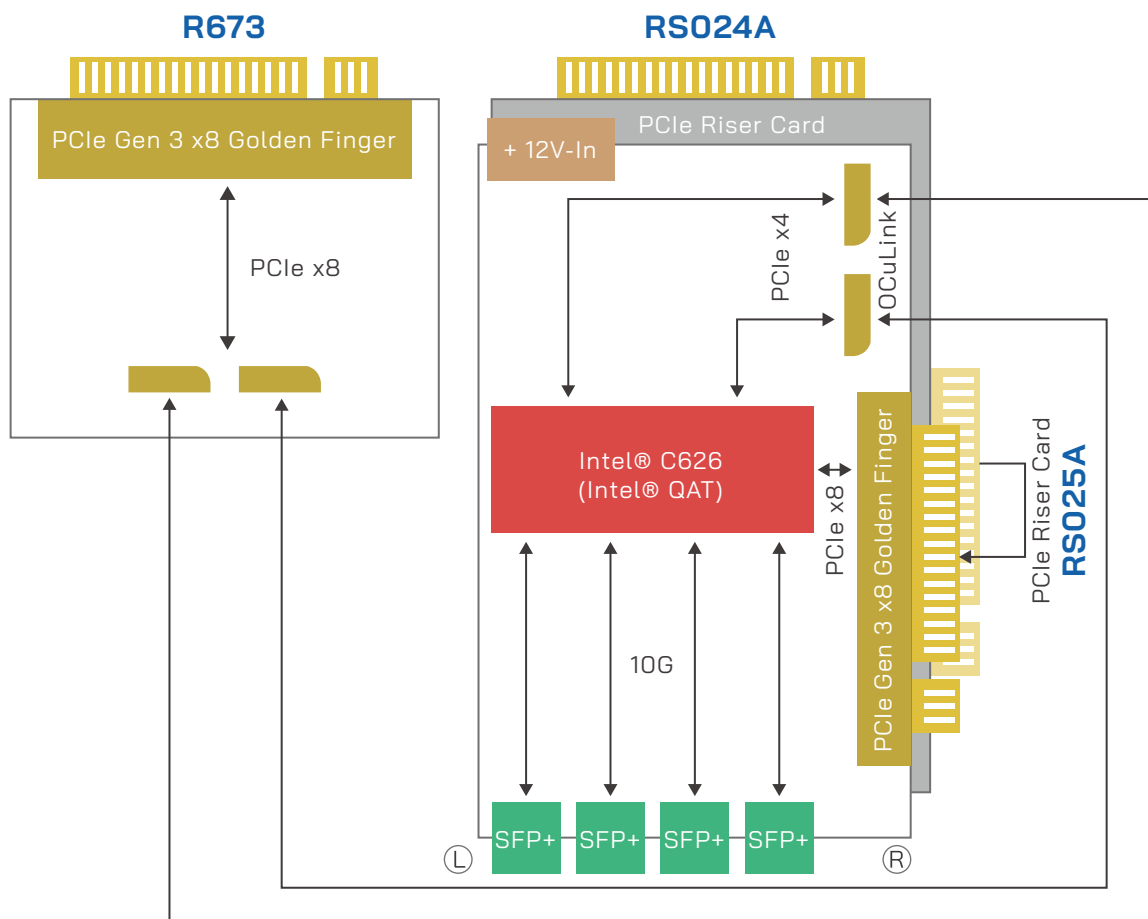
► Order Information

OT001A 1x Intel® C626 PCH, Expansion module for QAT without LAN Port

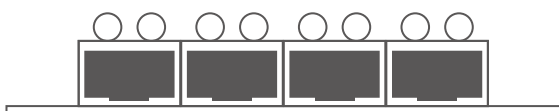
OT001B 1x Intel® C626 PCH, Expansion module for QAT with 4x 10GbE SFP+ Ports

OT001

► Block Diagram



► LED



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

► RS024A & RS025A

RS024A and RS025A combined with R673 allows OT001 to be installed in the front Expansion Module slots.