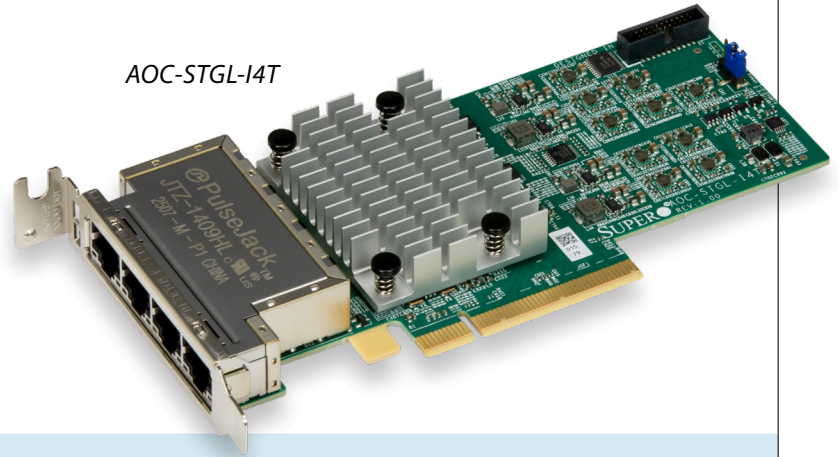


Supermicro® AOC-STGL-I4T is powered by two Intel E610-XAT2 controllers, providing four 10GBASE-T ports for enhanced connectivity. With advanced security features, including standards-based cryptographic security, hardware Root of Trust (RoT), SPDM, and secure FW updates, it strengthens Ethernet security while maintaining high-speed, reliable networking.

Key Features

- **Form Factor: Low profile PCIe**
- **Controller: two Intel E610-XAT2 10GbE**
- **Speed Support: 10GbE**
- **Connectors: 10GBASE-T**
- **Interface: PCIe Gen 4.0 x8 and backward compatible PCIe Gen 3.0**
- **Networking Capabilities: VXLAN, NVGRE, Geneve**
- **Asset Management: PLDM for Thermal sensor for monitoring, FW update**
- **Remote Management: Network Controller Sideband Interface (NC-SI) for remote management***



Specifications

General:

- PCIe 4.0 Low Profile Form Factor
- Intel E610-XAT2 10GbE Controller with quad RJ45 ports
- Multi-speed support: 100MbE, 1GbE, 2.5GbE, 5GbE, 10GbE

Virtualization Features

- VXLAN
- NVGRE
- Geneve
- SR-IOV
- DPDK support

Management and Control

- SMBus 2.0
- Network Controller Sideband Interface (NC-SI)
- Disabled by default in standby mode
- Requires Standby mode Enabled and NC-SI cable to MB with NC-SI header connection (Consult Supermicro for NC-SI and Standby power for more details)
- NC-SI, MCTP over SMBus and PCIe
- PLDM for Monitor and Control DSP0248
- PLDM for Firmware Update DSP0267
- PLDM for Redfish Device Enablement Specification (RDE)
- SPDM over MCTP

Remote Boot

- Legacy PXE
- UEFI PXE
- UEFI support for x86

Stateless Offload

- Large Segment Offload (LSO)
- Large Receive Offload (LRO)
- Transmit Side Scaling (TSS)
- Receive Side Scaling (RSS)
- Checksum Offload (TCP/UDP/IP)
- TCP Segment Offload (TSO)
- UDP Segment Offload (USO)

Standards:

- IEEE 802.3an (10GBASE-T)
- IEEE 802.3bz (5/2.5GBASE-T)
- IEEE 802.ab (1GBASE-T)
- IEEE 802.3u (100BASE-TX)
- IEEE 802.3az (Energy Efficient Ethernet)
- IEEE 802.1Q, 802.1P (VLAN tags and priority)
- IEEE 802.1Qaz (ETS)
- IEEE 802.1Qbb (PFC)
- IEEE 802.1Qbg
- IEEE 1588v2
- IEEE 1149.1 (JTAG)
- PCI Express Gen 3.0 and 4.0

Power Consumption:

- Maximum Power: 10.6W

Operating Conditions:

- Storage Temperature: -40°C to 70°C (-40°F to 158°F)
- Storage Humidity: 90% non-condensing relative humidity at 35°C

Physical Dimensions:

- Card PCB Dimensions: 15.001 cm x 6.891 cm (5.906 in X 2.713 in) (L X W)

Please note that this product is sold only as part of an integrated solution with Supermicro server systems.

Available SKUs

SKUs	Bracket Included	Description
BKT-0138L	YES	LP L-Bracket, include 1x Screw M3x4L
BKT-0139L	YES	FH L-Bracket, include 1x Screw M3x4L