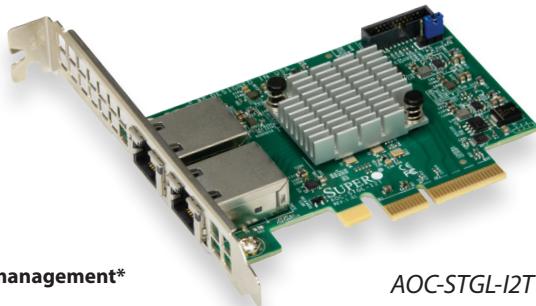


Supermicro® AOC-STGL-I2T is powered by the Intel E610-XAT2 controller, providing two 10GBASE-T ports for enhanced connectivity. With advanced security features, including standards-based cryptographic security, hardware Root of Trust (RoT), SPDM, and secure FW updates, it strengthens Ethernet security while maintaining high-speed, reliable networking.

## Key Features

- **Form Factor:** Low profile PCIe
- **Controller:** Intel E610-XAT2 10GbE
- **Speed Support:** 10GbE
- **Connectors:** 10GBASE-T
- **Interface:** PCIe Gen 4.0 x4
- **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\*



AOC-STGL-I2T

## Specifications

- **General:**
  - PCIe 4.0 Low Profile Form Factor
  - Intel E610-XAT2 10GbE Controller with dual 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 Compliance:**
  - 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: 4.5W
- **Environmental 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: 9.652 cm x 6.891 cm (3.8 in X 2.713 in) (LxW)

## Availability & Ordering Information:

*This product is sold only as part of an integrated solution with Supermicro server systems.*

Product Part Number	Bracket Included	Description
BKT-0076L	YES	LP L-BRACKET, INCLUDE 2X SCREWS M3X4L
BKT-0077L	YES	FH L-BRACKET, INCLUDE 2X SCREWS M3X4L