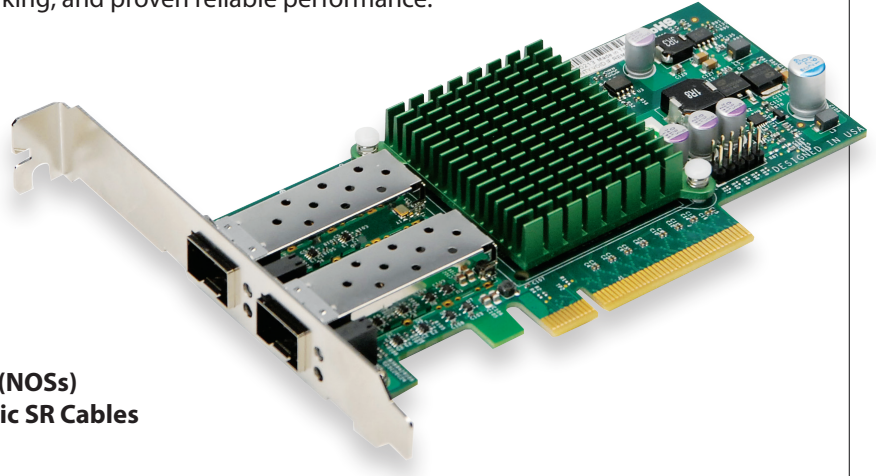


The Ultimate Dual-Port 10 Gigabit Ethernet Controller with the Flexibility and Scalability required for Virtual and Unified Storage Environments

The latest member of Supermicro's network adapter family, the **AOC-STGN-i2S** is the most flexible and scalable Ethernet adapter for today's demanding data center environments. Based on the new Intel® 10GbE network controller 82599ES, the AOC-STGN-i2S addresses the demanding needs of the next-generation data center by providing unmatched features for virtualization, flexibility for LAN and SAN networking, and proven reliable performance.

Key Features

- **Dual SFP+ Connectors**
- **Low-Profile Standard Form Factor**
- **PCI Express 2.0 (up to 5GT/s)**
- **Intel® QuickData Technology**
- **VMDq, Next-Generation VMDq, and PC-SIG SR-IOV for Virtualized Environments**
- **Load Balancing on Multiple CPUs**
- **iSCSI Remote Boot Support**
- **Fibre Channel over Ethernet (FCoE) Support**
- **Support for most Network Operating Systems (NOSs)**
- **Support both DAC Twin Axial and LC Fiber-Optic SR Cables**
- **RoHS compliant 6/6**



Specifications

- **General:**
 - Intel® 82599ES 10GbE controller
 - Compact size low-profile standard form factor
 - PCI-E x8 2.0 (5GT/s)
 - Load balancing on multiple CPUs
 - iSCSI remote boot support
 - Fibre Channel over Ethernet (FCoE) Support
 - Intel® PROSet Utility for Windows® Device Manager
- **I/O Features:**
 - Intel QuickData Technology: DMA engine that enhances data acceleration and lowers CPU usage
 - Direct Cache Access (DCA) to avoid cache misses
 - MSI-X support to minimize the overhead of interrupts and allows load-balancing between multiple cores/CPU's
 - Tx/Rx IP, SCTP, TCP and UDP checksum offloading capabilities (IPv4, IPv6)
 - Receive and Transmit Side Scaling for Windows environments and Scalable I/O for Linux environments
- **Virtualization Features:**
 - Supports virtualization features such as VMDq, Next-generation VMDq (64 queues per port) and PC-SIG SR-IOV implementation
 - IPv6 Offloading
 - Advanced Packet Filtering
 - VLAN support to allow creation of multiple VLAN segments
- **Manageability Features:**
 - Preboot eXecution Environment (PXE) support
 - Simple Network Management Protocol (SNMP) and Remote Network Monitoring (RMON) statistics counters
 - iSCSI remote boot
- **OS Support:**
 - Windows® Vista SP2, 2003 SP2, 2008 SP2
 - RedHat EL, SuSe SLES
 - FreeBSD
- **Cables Support:**
 - SFP+ direct attached twin axial cables, up to 10 meters
 - Dual LC fiber-optic SR cables, up to 300 meters
- **Operating Conditions:**
 - Operating temperature: 0°C to 55°C
- **Physical Dimensions:**
 - Card PCB dimensions: 13.65cm (5.37in) x 6.35cm (2.50in) (LxW)
 - Height of end brackets: standard – 12cm (4.725in), low-profile – 7.94cm (3.13in)

Compliance/Environmental

- RoHS Compliant 6/6, Pb Free



Supported Platforms

- Motherboards with minimum PCI-E x8 slot
- Server Systems with low-profile or full-height PCI-E x8 expansion slot

Optional Accessories

- AOC-E10GSFPSR: SFP+ transceiver module for short range fiber cables (up to 300m)
- CBL-0347L: 1m Twinax copper cable
- CBL-0348L: 3m Twinax copper cable
- CBL-0349L: 5m Twinax copper cable

Please note that this product is only available to OEM customer and is sold as integrated solution with Supermicro server systems

For the most current product information, visit:

www.supermicro.com