About ATTO

For over 30 years, ATTO Technology, has been a global leader across the IT and media & entertainment markets, specializing in network and storage connectivity and infrastructure solutions for the most data-intensive computing environments. ATTO works with partners to deliver end-to-end solutions to better store, manage and deliver data.

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Applications
ATTO ThunderLink® 25GbE adapter solutions allow the unparalleled performance of 25 Gigabit Ethernet to meet the performance and economic needs of today’s growing data centers. ThunderLink NS 3252 is ideal for applications that require low latency, high bandwidth data transfers, such as data back-up and restoration, video-on-demand and video streaming, medical imaging, and clustered databases.

Key Features
- Data rate per port: 25GbE
- Tx/TCP segmentation offload (Large Send Offload—LSO)
- Low latency interrupts
- PCI-SIG SR-IOV support
- Interrupt levels MSI, MSI-X
- Plug and play specification support
- Advanced Packet Filtering
- VLAN support with tag filtering, insertion and stripping

Advanced Software Features
- Adaptive load balancing
- Teaming support
- PCI Hot Plug/Active peripheral interconnect

Management Tools
- Easy system monitoring with Simple Network Management Protocol (SNMP) and Remote Network Monitoring (RMON) Statistic Counters
- Watchdog timer for chip/driver status monitoring

Connectivity
- 25Gb/s SFP28
- Backwards compatible with 10GbE SFP+
- 2 LED indicators per port
- TLNS-3252 using ATTO 25/10G SFPs
  - 25G Speed:
    - 100 meters on OM4
    - 70 meters on OM3
  - 10G Speed:
    - 100 meters on OM3

Thunderbolt™ Cabling
- 40Gb/s cables are designated with a “3” marking

Network Standards
- IEE802.3ae: 10GBASE-SR, 10GBASE-LR
- IEEE 802.3az (Energy Efficient Ethernet)
- IEEE 802.1p (Priority Encoding)
- IEEE 802.1aq (VLAN tagging)
- IEEE 802.3ad (Link aggregation)
- IEEE 802.1qbb (Priority flow control)
- IEEE 802.1qaz (Enhanced Transmission)
- IEEE 8023.AD (Load-balancing, failover)

Operating System Support
- Windows®
- macOS® (including Apple silicon M1/M2 devices)

Power Adapter
- 100-240VAC, 50-60Hz, 0.6A Max
- 12VDC

Compliance
- FCC Part 15 Subpart B, Class B
- EN55032, Class B/EN55024
- IEC62368-1
- EN60825-1
- EN60825-2
- cTUVus
- EU RoHS (2011/65/EU), (EU) 2015/863
- TAA Compliant (Country of Origin: USA)

Operating Temperature
Hardware Environment
- Temperature: 0-40° C
- Humidity: 10 - 90% non-condensing

Storage Environment
- Temperature: -40° C to 70° C
- Humidity: 5- 95% non-condensing

Dimensions
- 8.66”(D) x 4.07”(W) x 1.20”(H)

Warranty
- Three years

Ordering Information
- Phone: 716-691-1999
- ThunderLink NS 3252: TLNS-3252-D00
- ThunderLink NS 3252: TLNS-3252-DE0 (UK/EMEA)

Complimentary Products
- ATTO Celerity™ Fibre Channel HBAs
- ATTO ExpressSAS® HBAs
- ATTO FastFrame™ NICs
- ATTO XstreamCORE® intelligent Bridges
- ATTO ThunderLink® Thunderbolt™ adapters
- ATTO premium cables

ATTO ThunderLink NS 3252

<table>
<thead>
<tr>
<th>Model Number</th>
<th>TLNS-3252-D00 (US)</th>
<th>TLNS-3252-DE0 (UK/EMEA)</th>
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<tbody>
<tr>
<td>Input Connectors</td>
<td>(2) 40Gb/s Thunderbolt™ USB-C</td>
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<tr>
<td>Output Connectors</td>
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