# iPBridge™ 1550D



## iSCSI-to-SCSI
## High Performance Bridge
## for Cost-effective IP SAN Connectivity

Internet SCSI technology (iSCSI) is one of today's fastest growing storage networking protocols. iSCSI utilizes Ethernet networks to allow users to reap the benefits of networked storage, such as increased availability and scalability. However, this presents a problem for organizations interested in migrating to iSCSI but have already invested thousands of dollars in SCSI-based storage. ATTO iPBridges help resolve this issue by offering iSCSI connectivity to native SCSI devices, extending the useful life of SCSI devices while eliminating the need to purchase costly new storage.

The ATTO iPBridge™ 1550D provides a simple and cost-effective way to add iSCSI connectivity to Ultra320 SCSI devices. The 1550D is available as a compact desktop unit which provides near-wire speed throughput, allowing SCSI storage to operate at near-native speeds. Installation is a quick and painless task thanks to included utilities such as QuickNAV and ExpressNAV.

The iPBridge 1550D offers broad market acceptance through ISV certifications and support for leading iSCSI protocols, and is the first choice of organizations that require cost-effective iSCSI connectivity without sacrificing performance.

## Product Features

### Blazing Fast Performance
- Allow storage devices to operate at near-native speeds with throughput of over 400 GB/hr

### Smooth Data Streaming
- Increase write performance with Speedwrite™, an ATTO-designed technology which efficiently queues outstanding write commands
- Reduce failed backups due to busy or slow-to-respond storage with ATTO's exclusive Virtual Drive Response (VDR)

### One Click Installation
- Simplify configuration and management of FibreBridges with ExpressNAV™, ATTO's easy-to-use web-based GUI
- Reduce time spent on initial set-up with features such as automatic LUN mapping
- Quickly and easily integrate additional bridges into SANs with the ability to save and restore bridge configurations

### SAN Connectivity
- Extend useful life of existing SCSI storage by adding iSCSI connectivity
- Single point of management for storage behind the bridge

## Technical Highlights

- **One independent Gigabit Ethernet port to one independent Ultra320 SCSI port**

- **Near wire-speed sustained throughput**

- **Support for leading iSCSI initiators, including Microsoft iSCSI Initiator v2.01**

- **Gigabit Ethernet connectivity auto-negotiates to 10/100 Ethernet**

- **ExpressNAV™ browser-based GUI for remote administration and diagnostics**

- **Configuration, management, and monitoring via Ethernet and serial console port**

- **RoHS Compliant**

- **2-year standard product warranty**

**Technical Specification**
iPBridge™ 1550D

# iSCSI Bridge

| Gigabit Ethernet and SCSI | |
|---|---|
| Gigabit Ethernet Interface | • 10/100/1000 Gig-E RJ45 Ethernet port<br>• Supports IP v.4<br>• Compliance with IEEE802.3ab Gig-E<br>• Compliance with IEEE 802.3x Flow Control<br>• SNMP MIB 2 support<br>• Supports 9K Jumbo Ethernet frames |
| SCSI Interface | • Single 68-pin SCSI connector<br>• Ultra320 LVD SCSI—320 MB/sec. maximum throughput<br>• Backward compatible with all single-ended SCSI devices |
| **Management** | |
| Operating Environment | • Operating system independent<br>• Supports all SCSI devices including hard disk drives, tape drives, RAID controller, DVD, MO and CD libraries |
| Local and Network Management | • ExpressNAV™ integrated management console for remote configuration, management and diagnostic capabilities<br>• Command line management access via Ethernet and RS-232<br>• Local diagnostics supported through SNMP, Telnet, and FTP<br>• Includes support for DHCP, ICMP, and RMON<br>• Built in memory has ECC detection and correction<br>• User accessible reset switch<br>• Built-in watchdog timer<br>• Automatically detects and maps all connected devices at power on |
| **Agency Approvals** | |
| Safety and Environmental | • FCC Class A<br>• CE EN55022<br>• CE EN55024<br>• CE EN60950-1<br>• RoHS Compliant |
| **Environmental & Physical Specifications** | |
| Configuration | • Desktop Enclosure |
| Dimensions | • Desk Enclosure: 7.5" W x 5" L x 1.76" H |
| Operating Environment | • Temperature: 0-40° C<br>• Humidity: 10-90% non-condensing |
| Power | • 12 V, 1.5A, 2.5mm DC power jack<br>• 12 V, 20 W wall mount power adapter<br>• Universal 90-264 VAC<br>• Nominal power consumption: 1A @ 12V |
| Weight | • 2 lbs. |
| **Ordering Information** | |
| Model Number | • IPBR-1550-DR0 |

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**ATTO**
ATTO Technology, Inc. | Power Behind the Storage

For More Information:
**www.ATTOTech.com**
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**www.ATTOStore.com**
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