



## Potomac ES1100 iSCSI-SCSI

A high performance, cost effective iSCSI to SCSI  
bridge

- Ultra 160 LVD/SE SCSI Interface
- In- Band Web based interface for management and monitoring via main Gigabit Ethernet port
- 1Gbe RJ45 Auto-sensing 10/100/1000Mb/s
- Ease of implementation.
- Detailed GUI.
- Rack mount (ES1100RM) and small desk top (ES1100DT) versions available.
- Rack mount unit with two independent iSCSI bridges in a 1U rack mount enclosure (ES1100RMD) also available

### Cost Effective Solutions

With the advent of iSCSI, and its use of TCP/IP as the transport mechanism, it is now possible for any organisation to gain all the benefits that a SAN can bring to data management by using their existing network technology. Because TCP/IP is a widely used and understood, there is no need to employ additional personnel or staff training programs to manage the infrastructure.

The Potomac iSCSI bridge reduces the cost of implementing an iSCSI based SAN by providing iSCSI to SCSI connectivity. This functionality allows organisations to retain existing investment.

The ES1100 iSCSI Bridge has been designed to give a cost effective solution for customers who wish to include their legacy SCSI devices in an iSCSI network. The Potomac Bridge gives a cost effective alternative to the use of full performance, high end bridging solutions. With a sustained performance capability of 60MB/s combined with its very compact size, it is at equally at home on the desk top connected to a tape device as a remote backup device, or in the server rack connected to a departmental Auto-loader.

### Specifications

<b>iSCSI</b>	
Connection	RJ45
Burst rate	100 Mbytes/sec
Sustained rate	90 Mbytes/sec
Support for:	10BaseT (802.3) 100BaseT (802.3u) 1000BaseT (803.3ab) Jumbo Packets
<b>SCSI LVD</b>	
Connection	68 way MicroD
Burst rate	160 Mbytes/sec
Sustained rate	90 Mbytes/sec

### AVAX INTERNATIONAL

PO Box 542  
Hillsburgh, Ontario N0B 1T0 Canada  
Tel: (647) 367-1039 or (877) 401-1892  
Fax: (647) 438-2242  
[www.avax.com](http://www.avax.com)



### Why iSCSI?

Building Storage Area Networks (SANs) is made simple with the introduction of the iSCSI protocol. Any company that uses standard Ethernet technology can now build SANs using widely available Ethernet technology and reap the benefits of storage consolidation, LAN free backup, and server less backup. Defined and supported by industry leading storage and networking companies, iSCSI is a network protocol that enables low latency SCSI "blocks" to be transported via Ethernet and TCP/IP. Simple stand alone tape drives can be made available to multiple users and libraries can be positioned in a convenient and secure place whilst still being available to all.

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### Simply Plug n' Play

The plug n' play Potomac family is extremely easy to implement and use. The web based in-band GUI ensures users trouble free operation and configuration. With native support for disk, tape, optical and media changer devices, the Potomac range of products offers users maximum flexibility for all their storage needs.

Part No	Description
ES1100DT	Stand alone Enclosure iSCSI Bridge 1 Gb Ethernet and 1 Ultra160 LVD SCSI Connections
ES100RM	19" Rackmount iSCSI Bridge 1 Gb Ethernet and 1 Ultra160 LVD SCSI Connections
ES100RMD	Dual 19" Rackmount iSCSI Bridge 2 x 1 Gb Ethernet and 2x Ultra160 LVD SCSI Connections

Available from:

