Broadcom's iSCSI offering is based on our hardware offload architecture and is designed to deliver industry-leading performance, low CPU utilization, high reliability, and unified NIC and storage management using the Broadcom Advanced Control Suite (BACS) management application for both 1 GbE and 10 GbE networks. Benefits include:

- **Industry-leading performance**: By fully offloading the iSCSI and TCP/IP stacks, the Broadcom iSCSI HBA does not need to compete with upper layer applications, such as e-mail or Web applications, for CPU processing cycles. The iSCSI performance is unaffected by application workload.

- **Low CPU utilization**: Software-based iSCSI initiators consume considerable CPU cycles when handling I/O-intensive workloads, leaving little headroom for growing user application requirements. Broadcom's iSCSI HBA architecture minimizes the CPU overhead so that valuable CPU cycles are allocated to process user applications.

- **Highest reliability**: The iSCSI header/data digest computation of Broadcom's iSCSI HBA prevents data corruption that can occur in large networks with multiple switch hops so that iSCSI HBAs can be used in a wide variety of IP network topologies.

- **Unified NIC and storage management**: The BACS management application provides a single management platform for your network and storage I/O management.

**Benefits**

- World-class performance, optimized for high throughput, high I/O per second, and low CPU utilization.
  - Offloaded and accelerated iSCSI for block storage with high I/O per second and high bandwidth.
  - Frees host CPU to run application code.

**Features**

- **Hardware iSCSI HBA**
  - iSCSI HBA offload including header and data digest

- **Common iSCSI driver stack**
  - NetXtreme II® 1 GbE controllers (5709C/S, 5708C/S)
  - NetXtreme II 10 GbE controllers (57710, 57711, 57712)

- **iSCSI HBA features**
  - iSCSI initiator IPv4 and IPv6
  - iSCSI boot IPv4 and IPv6 HBA offload
  - iSCSI boot IPv4 and IPv6 host software stack

- **Operating systems support**
  - Windows® Server
  - Red Hat® Enterprise Linux®, and Novell® SUSE Linux Enterprise Server
  - VMware® vSphere®

- **Robust Ethernet support (see page 2)**
About Broadcom

Broadcom Corporation is a major technology innovator and global leader in semiconductors for wired and wireless communications. Broadcom® products enable the delivery of voice, video, data and multimedia to and throughout the home, the office and the mobile environment. We provide the industry's broadest portfolio of state-of-the-art system-on-a-chip and software solutions to manufacturers of computing and networking equipment, digital entertainment and broadband access products, and mobile devices.

These solutions support our core mission: Connecting everything®.

A FORTUNE 500® company, Broadcom is headquartered in Irvine, Calif., and has offices and research facilities in North America, Asia and Europe. Broadcom may be contacted at +1.949.926.5000 or at www.broadcom.com.