

10 Gigabit Adapters for Ethernet-Attached Storage

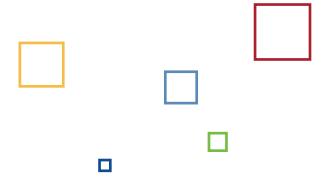
Popular in content creation and high performance computing

Myricom entered the 10-Gigabit Ethernet business back in 2005 with a performance advantage over the nascent competition. CSPI's Myricom® product line maintains that advantage today keeping pace with faster frame rates and interconnect technology innovations. Just as importantly, no brand is found on more software product lists for 10-Gigabit "approved adapters" than Myricom.

Myricom drivers are fast, mature and problem free. Drivers are available for Microsoft Windows, Linux and MAC OS X. The Linux drivers are part of most distributions and available in the Linux source tree.

Support is easily available and comes from people very familiar with how the boards are used within content creation and high performance computing domains.

The custom LANai chip found on Myricom adapters was the first to support the full complement of hardware offload features at 10-Gigabit. Specifically, interrupt coalescing, transmit/receive checksum offload, jumbo frames, multicast filtering, and TCP segmentation offload (TSO) as well as large receive offload (LRO).



KEY FEATURES

- Best performing 10-Gigabit adapters for accessing files over Ethernet at a low connection cost
- One common adapter for all platforms: Windows, OS X, Linux, as well as PCIe and BladeCenter
- Myricom 10-Gigabit adapters are almost certainly on your software's "tested and approved" list
- Adapters with the lowest CPU overhead, best latency, and no packets dropped

Product Specifications

KEY SPECIFICATIONS

Bus Interface	PCI Express Gen 2, 8 lanes wide (dual port adapters) PCI Express. Gen 1, 8 lanes wide (single port adapters)
Form Factor	The 10G-PCIE-8B2-4I High Speed Expansion Card (HSEC) is a CFFh form factor. All other adapters are low-profile PCI Express x8 add-in cards that ship with a standard height faceplate installed; and a low profile faceplate in the box.
Electrical Power	14.5W - 17.7W, Dual Port Adapters 3.9W - 11.3W, Single Port Adapters 10W maximum for 10G-PCIE-8A-R Adapters with an XFP transceiver installed. 6W typical for the HSEC
Environmental	It is recommended that adapters be installed into servers that provide some air flow over the PCIe slots (very common). Use in an office or computer room environment.
Operating System	Support for all major Linux distributions as well as Windows 2008R2 and newer.
Virtualization	Myricom adapters are compatible with all popular virtual environments, provided that users assign the adapter to a single virtual machine. The alternative, sharing an adapter, conflicts with delivering high performance. Myricom does offer a VMware driver for users who must share the adapter.

REGULATORY APPROVALS, COMPLIANCE

EMI and EMC, Class A	USA, Canada, and Europe. Final test reports are available to customers upon request.
Compliance	TAA, RoHS (Reduction of Hazardous Substances)
Country of Origin	USA

PART NUMBERS

10G-PCIE2-8C2-2T	Network adapter with Dual 10GBASE-T ports and Myricom Content Creation software.
10G-PCIE2-8C-T	Network adapter with Single 10GBASE-T port and Myricom Content Creation software.
10G-PCIE2-8CS-2S	Network adapter with Dual SFP+ 10GbE ports and Myricom Content Creation software.
10G-PCIE-8B-S	Network adapter with Single SFP+ 10GbE port and Myricom Content Creation software.
10G-PCIE-8A-R	Network adapter with a Single XFP transceiver port for 10GBase-SR and 10GBase-LR applications and Myricom Content Creation software.
10G-PCIE-8B2-4I	High Speed Expansion Card for the IBM Blade Center H with four network ports and Myricom Content Creation software.
Cables and transceivers	Contact your Account/Sales representative for more information on cables and transceivers that are compatible with this adapter.
Warranty and add-on support	Three years for hardware defects and 90 days for software defects. 90 days of “getting started” telephone and email support as well as any software upgrades shipped within that window. Refer to the support datasheet for options extending the 90-day window.

The information contained herein is subject to change without prior notice. For the latest detailed information contact your representative at +1 (626) 821-5555 or visit www.cspi.com/products.

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