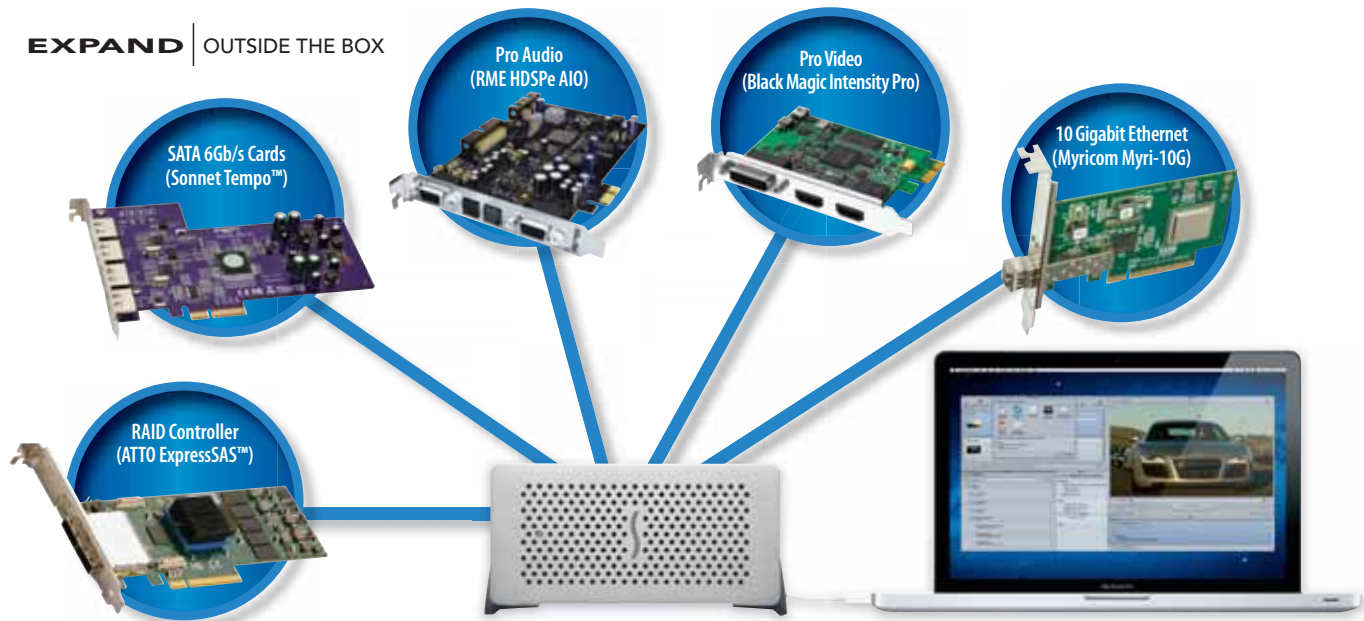




Echo™ Express SE

THUNDERBOLT™ EXPANSION CHASSIS FOR PCIE CARDS

EXPAND | OUTSIDE THE BOX



Expanding Outside the Box



Sonnet harnesses the potential of Thunderbolt technology to enable you to connect a high-performance PCIe expansion card to computers without expansion slots. Sonnet's Echo Express SE enables you to use a high-performance PCI Express® adapter card (sold separately) with any computer with a Thunderbolt port. Imagine using a compatible professional video capture, audio interface, SAS & SATA HBA, 8Gb Fibre Channel, 10 Gigabit Ethernet, or RAID controller card with your iMac®, Mac® mini, MacBook® Air or MacBook Pro!

The Echo Express SE is small, light, and perfect for use in situations where the installed PCIe card doesn't require much space or a lot of power. The chassis has a single slot that accommodates a half-length (up to 6.6" long), full-height, single-width, x8⁽¹⁾ PCIe 2.0 card. Constructed of aluminum, the Echo Express SE's outer shell helps transfer heat away from the card and securely protects it inside. The enclosure is ventilated front and back, and a quiet, temperature-controlled fan (with no switches or jumpers to configure) automatically helps keep even the very hottest cards cool; when not needed, the fan slows down to a whisper so you can work without a lot of noise in the background. The Echo Express SE is enviro-friendly, powering on and off with your computer.

sonnettech.com

Echo Express Chassis Family Comparison

	Slots	Card Length	Thunderbolt Ports	Power	Warranty	Sonnet Part Number
Echo Express SE	1	Half	2	60W	1 Year	ECHO-EXP-SE
Echo Express	1	Half	2	100W	5 Years	ECHO-EXP1H
Echo Express Pro	2	Full	2	150W	5 Years	ECHO-EXP2F



PCIe cards shown in photos for illustration purposes; not included

Compatibility

- Mac with Thunderbolt port
- Mac OS® X 10.6.8+

Key Features

- **Adds an Expansion Card Slot to Any Computer with a Thunderbolt Port**—The Echo Express SE supports a single half-length (up to 6.6"), full-height, single-width, x8⁽¹⁾ PCIe 2.0 card
- **Temperature-Controlled Fan**—Automatically operates slowly and quietly with cooler cards, provides better cooling for hot cards
- **Aluminum Housing**—Portable protection for any environment

- **High Bandwidth**—With Thunderbolt's PCI Express performance and 10Gb/s of throughput on each of the two channels in both directions, the SE is perfect for special-purpose PCIe cards for video capture, audio interface, 8Gb Fibre Channel, 10 Gigabit Ethernet, digital audio, RAID control, and more
- **Two Thunderbolt Ports**—Daisy chain up to six devices to a single port on the host computer
- **Energy Saver Mode**—Powers on/off automatically with the computer

⁽¹⁾ The PCIe slot will physically accommodate an x8 PCIe card, however the actual electrical bandwidth of Thunderbolt is x4.

PCIe Card Thunderbolt Compatibility Chart: for a list of up-to-date PCIe cards compatible with Sonnet's Echo Express SE, please visit sonnettech.com/support/charts/thunderbolt/



SCAN FOR WEB INFO

