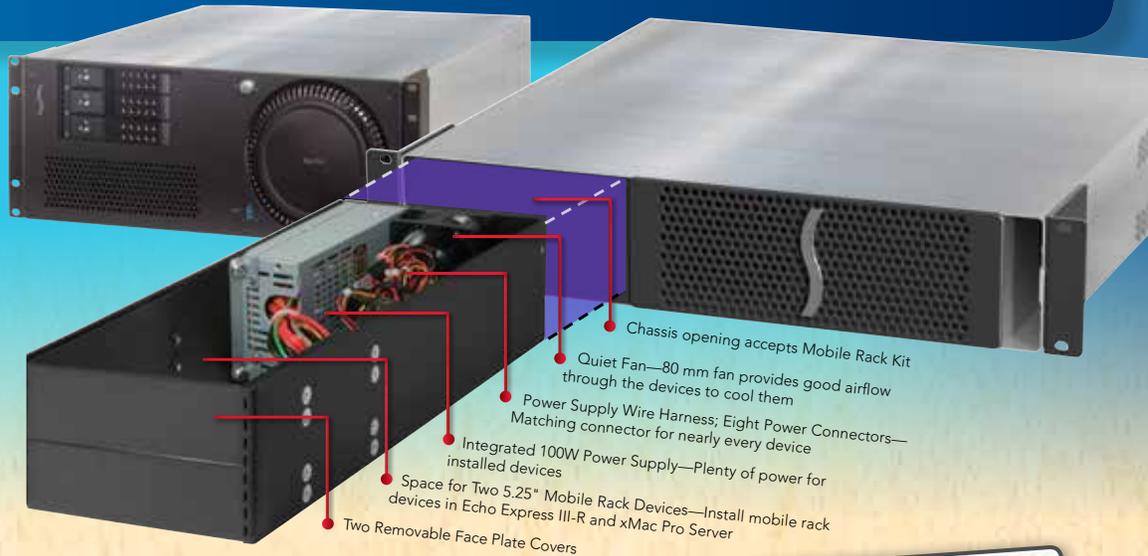


Mobile Rack Device Mounting Kits
FOR USE WITH ECHO EXPRESS III-R
AND XMAC PRO SERVER

MOBILE RACK DEVICE MOUNTING KIT BASIC EDITION EXP3FR-MRM

Expand More in The Same Space

Using a **Mobile Rack Device Mounting Kit**, you can install devices such as SSD drive enclosures, an LTO tape drive, a card reader, or optical drive inside your Echo Express III-R or xMac Pro Server, connecting the devices via Thunderbolt or an installed PCIe card. The mounting bracket secures the devices, while the included 100W power supply inside powers them, and the attached internal fan keeps things cool. Choose a pre-configured kit or the basic edition and add your own devices, cables and PCIe card.



MAC PRO MIGRATION EDITION

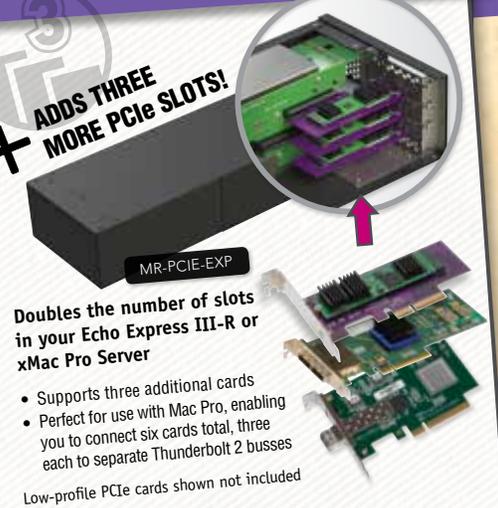


DATA ARCHIVING & STORAGE EDITION 1110



NEW THUNDERBOLT 2-TO-PCIe CARD EXPANSION EDITION

+ ADDS THREE MORE PCIe SLOTS!



IN THE BOX

- Three 3.5" 6Gb/s SATA trayless hot-swap drive cages
- Three eSATA-to-internal SATA cables
- Tempo SATA Pro 6Gb 4-Port 6Gb/s eSATA PCIe 2.0 card

IN THE BOX

- Four 2.5" 6Gb/s SATA hot-swap drive cages
- Mini-SAS-to-SAS (SFF-8482) cable
- 8-external port 6Gb/s SAS/SATA PCIe 2.0 card

+ ADD YOUR OWN

3.5" hard drives to complete the package.



+ ADD YOUR OWN

LTO tape drive and four 2.5" HDDs or SSDs to complete the package.



STORAGE EXPANSION x8 EDITION



BLU-RAY MASTERING EDITION



PRO MEDIA READER EDITION



IN THE BOX

- Two 4x2.5" 6Gb/s SATA hot-swap drive cages
- Two mini-SAS-to-4x internal SATA cables
- 8-external port 6Gb/s SAS/SATA PCIe 2.0 card

IN THE BOX

- 4x BD-R/8x DVD±RW Blu-ray burner
- Two 2.5" 6Gb/s SATA hot-swap drive cages
- One 3.5" 6Gb/s SATA trayless hot-swap drive cage

IN THE BOX

- Four eSATA-to-internal SATA cables
- Tempo SATA Pro 6Gb 4-Port 6Gb/s eSATA PCIe 2.0 card
- Qio™ MR Thunderbolt Edition
- Four 2.5" 6Gb/s SATA hot-swap drive cages

+ ADD YOUR OWN

Add eight of your own 2.5" HDDs or SSDs to complete the package.



+ ADD YOUR OWN

2.5" HDDs or SSDs plus one 3.5" HDD to complete the package.



+ ADD YOUR OWN

2.5" HDDs or SSDs to complete the package. Supports all major HD video memory card formats.





xMac™ Pro Server

PCIe 2.0 EXPANSION SYSTEM/4U RACKMOUNT ENCLOSURE FOR NEW MAC PRO WITH THUNDERBOLT 2 PORTS

XMAC-PS



AVID® QUALIFIED

- Media Composer
- Pro Tools



Space for More Equipment

Optional Mobile Rack Device Mounting Kits enable installation of HDDs, SSDs, a tape or optical drive, and more

Air Flow Management for Optimized Cooling

Variable-speed fans cool the PCIe card expansion system separately

Front Panel USB 3.0 Port

Enables connection of a USB peripheral

Front Panel Power Button

Power button engages Mac Pro's power switch

Unrestricted Airflow

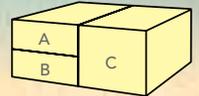
Full, independent airflow through the Mac Pro is maintained according to Apple guidelines

4U Rack Enclosure

Modular design allows you to work with computer, PCIe cards, and mobile rack devices separately

Modular Design

See A, B, and C modules for details below



Optional Mobile Rack Device Mounting Kits

Basic kit includes mounting bracket with 100W power supply and fan. Pre-configured kits include PCIe adapter card, plus cables and devices.

Two Thunderbolt 2 Ports with connector lock

Universal 300W power supply 75W auxiliary power connector allows use of cards that require supplementary power

Three PCIe 2.0 Slots

Mounting Holes for BNC Connectors Save a slot by installing connectors used by cards like the RED ROCKET or RME's HDSPe MADI FX

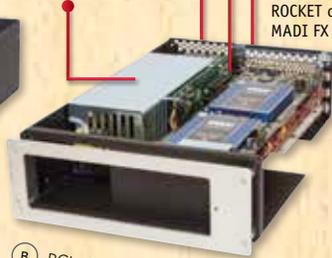
Protective Steel Cocoon Covered with soft touch padding, holds the Mac Pro firmly in place while protecting its mirror finish

Panel-Mount Cables

Panel-mount cables (HDMI, two Gigabit Ethernet, three USB, and power) connect the Mac Pro to the back of the xMac Pro Server for convenient external connection. One Thunderbolt cable included.



A Mobile Rack Device Mounting Kit (optional), or low-profile PCIe card expansion module (optional)



B PCIe Card Expansion Module (Included)



C Computer Mounting Module (Included)

CONFIGURATION IDEAS

Take a look at the **Mobile Rack Device Mounting Kits** on the previous page to see some of the kits we've come up with to expand a Mac Pro's capabilities, from storage expansion to an additional 3-slot PCIe expansion chassis!



SUPPORT FOR BNC CABLE CONNECTOR INSTALLATION

xMac Pro Server's back panel has two mounting holes for BNC connectors, allowing the use of a RED ROCKET card without the need to install BNC connector bracket that would normally occupy a valuable PCIe slot.



Space for three PCIe cards

Mounting holes for BNC connectors

Thunderbolt 2 ports

+ Provides PCIe card expansion for Mac Pro, connecting PCIe slots to the computer via Thunderbolt 2 technology

🛡️ Makes the Mac Pro road-ready, securely holding the computer, PCIe cards and expansion equipment in place in a sturdy 4U rackmount enclosure

3 Supports three full-length, single-width cards, or one double-width card plus one single-width card

20 Gbps Thunderbolt 2 interface delivers maximum performance with Mac Pro, backward compatible with 10Gbps Thunderbolt technology devices

🌀 Remarkably quiet operation—cards cooled by two large, temperature-controlled, variable-speed fans

🔌 Auto-power on/off for PCIe cards when the Mac Pro powers on/off or sleeps

🔧 Supports every Thunderbolt-compatible card available

5 YEAR WARRANTY 5-year warranty included at no additional cost

🔒 Thunderbolt Cable Lock Included; secures cable from accidental disconnections

If you're a pro user in the video or audio industries, the latest Mac Pro may be the answer to your dreams, with a twist—it offers the power you need, but lacks the built-in expandability you count on. The latest Mac Pro's compact size makes it more transportable and rack space efficient than the old tower, but it doesn't accommodate onboard PCIe cards or storage expansion. Plus, the computer still requires an enclosure to make it road- or rack-ready, and to provide convenient cable management. Sonnet's xMac Pro Server PCIe expansion system/4U rackmount enclosure addresses these issues and increases a Mac Pro's potential in a big way.

The xMac Pro Server was designed exclusively for the latest Mac Pro, housing the computer, a Thunderbolt 2-to-PCIe card expansion system, and optional equipment in a modular, rugged, 4U steel enclosure. The steel computer mounting module is lined with soft-touch padding, which firmly holds the Mac Pro in place while protecting its mirror finish. The expansion system module supports three high-performance PCIe cards and connects them to the Mac Pro via an included Thunderbolt cable. Using an optional Mobile Rack Device Mounting Kit, you can mount and connect additional equipment, such as storage expansion inside the xMac Pro Server. You can even add another 3-slot expansion system, giving you six PCIe slots and the ability to load-balance across separate Thunderbolt 2 controllers busses. At just 16" deep, the xMac Pro Server supports a wide range of popular mobile racks, carts and portable rack cases, and its modular design simplifies set up and maintenance. Get an xMac Pro Server to secure and conveniently expand your new Mac Pro!

Add Storage Inside The Expansion Module



Install a high-performance **Tempo** PCIe SSD storage card into an xMac Pro Server for super fast access, up to 1100 MB/s, to your data. For more info, visit sonnettech.com/product/computercards

RackMac™ Pro

RACKMOUNT ENCLOSURE FOR MAC PRO COMPUTERS

RACK-PRO-2X RACK-PRO-1X

Secure rackmount solution for one or two Mac Pro computers

Models configured with one or two Computer Mounting Modules; or add the 2nd Computer Mounting Module later.



4U height, standard mounting holes, and extension rails enable easy installation into racks from 16 to 32.5 inches deep



Front panel buttons operation the computers' power switches

Supports full airflow through each computer, even when mounted in a fully loaded rack

Strong, secure padded brackets envelop the Mac Pros to protect the computers' finish and hold them firmly in place, making the RackMac Pro road-ready and perfect for portable rack installations

Front panel USB 3.0 ports support connection of a peripheral (keyboard, flash drive, etc.) to each computer

Pro Rackmount Solution

Sonnet's RackMac Pro makes Mac Pro rack integration simple, securely enclosing one or two Mac Pros side-by-side in 4U of rack space. The RackMac Pro includes a heavy-duty steel outer enclosure and is available with either one or two Computer Mounting Modules preinstalled, with an optional second module (for RackMac Pro 1X) available for purchase separately.

The RackMac Pro's design enables unrestricted airflow through the Mac Pros to keep them cool, consistent with Apple's guidelines, even when installed in a fully-loaded rack. A front panel power switch and USB 3.0 port for each computer enables you to turn the computers on and off, and connect a peripheral

to each without having to access the back of the computer. Panel-mount cables (HDMI, 2x Gigabit Ethernet, 3x USB 3.0, and power) connect the Mac Pro's equivalent ports to ports on the back of the RackMac Pro for convenient external connection.

Travel and Server Room-Ready

The Computer Mounting Modules' padded mounting brackets hold your computers firmly in place, while protecting the mirror finish, even during transport. Installed in the server room, the RackMac Pro's included rackmount extension rails allow easy and secure mounting in racks from 16 to 26 inches deep (optional rails extend to 32.5 inches). Wherever it is deployed, a RackMac Pro holds your Mac Pros in style.



Includes mounting support for Sonnet's Twin 10G Dual-Port Copper 10GBase-T Thunderbolt 2 Adapter (optional mounting kit required)

TWIN10G-TB2



Modular Design

Purchase a second Computer Mounting Module for your RackMac Pro 1X to install another Mac Pro.

RACK-PRO-MM

Mac Pros, Twin 10G, and server rack shown not included

RackMac mini

RACKMOUNT ENCLOSURE FOR MAC MINI COMPUTERS

RACK-MIN-2X

Rack 'Em Up!

The RackMac mini mounts one or two Mac minis side-by-side in 1U of rack space. Constructed of rugged steel, this fully assembled rackmount solution places the computers behind a neat front panel fitted with a power switch and USB 3.0 port for each computer, enabling you to turn the computers on and off, and connect a peripheral to each, without having to access the back of the computer. The RackMac mini manages airflow through the computers to keep them as cool as ambient air, even when installed between other rackmount devices. The RackMac also allows normal WiFi and Bluetooth wireless operation in many configurations (depending on rack type and position in rack).

Road Trip-Ready

Do you need to take your mini on the road? The RackMac mini is a perfect solution for musicians, DJs, and videographers alike. Its shallow 11-inch mounting depth allows the RackMac mini to be installed in nearly any rack mobile rack, cart, and portable rack case or rack bag. Combine this with the RackMac's use of internal rubber cushions to hold your computers firmly in place even during transport, and you have a product perfect for use in transportable rack applications.



Secure rackmount enclosure for one or two Mac minis



Allows insertion of optical discs into computers with optical drives, a SuperDrive (with optional Sonnet bracket), or optional Blu-ray burner/bracket combo from Sonnet

Front panel USB 3.0 ports support connection of a USB peripheral (keyboard, flash drive, etc.) to each computer

Front panel openings allow use of the IR receivers and viewing of power indicator LEDs

Front panel buttons enable operation of the computers' rear-mounted power switches

11-inch mounting depth and firm rubber cushions that hold the computers firmly in place during transport make RackMac mini perfect for portable rack installations

Manages airflow through each computer from front to back, even when mounted between two other rackmount components

1U height and standard mounting holes allow easy installation into any standard equipment rack

Provides open access to back of the computers for cable connection/disconnection



Mac minis and other equipment shown not included



xMac™ mini Server

THUNDERBOLT 2-TO-PCI-E EXPANSION SYSTEM FOR MAC MINI WITH THUNDERBOLT 2 OR THUNDERBOLT PORTS

XM-MS-A



KEY FEATURES



1U rackmount enclosure houses Mac mini, PCIe slots, and integrated power supply



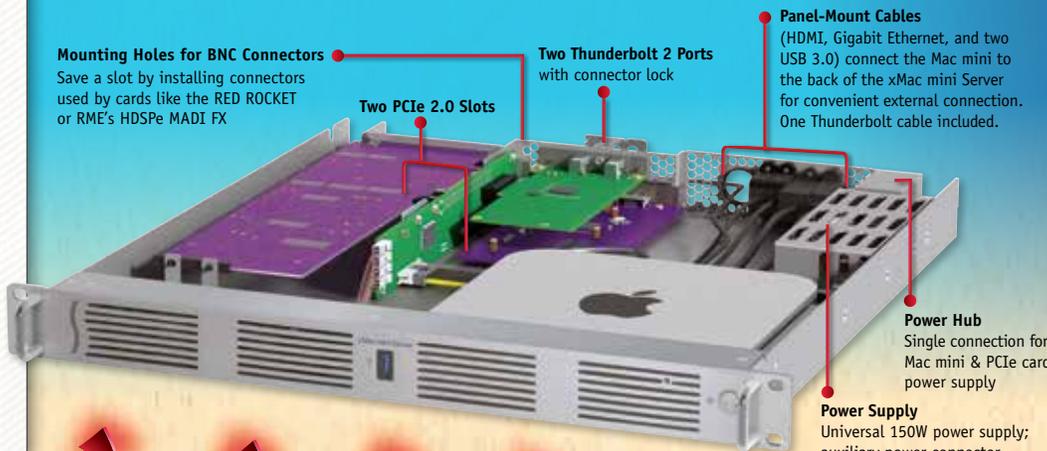
Connects two PCIe cards to the Mac mini through Thunderbolt expansion



Enables use of pro video capture, audio interface, 8Gb Fibre Channel, 10 Gigabit Ethernet, and RAID controller cards with a Mac mini with Thunderbolt 2 technology



Thunderbolt 2 interface delivers maximum performance with Mac mini, backward compatible with 10Gbps Thunderbolt technology devices



Mounting Holes for BNC Connectors

Save a slot by installing connectors used by cards like the RED ROCKET or RME's HDSPe MADI FX

Two PCIe 2.0 Slots

Two Thunderbolt 2 Ports with connector lock

Panel-Mount Cables

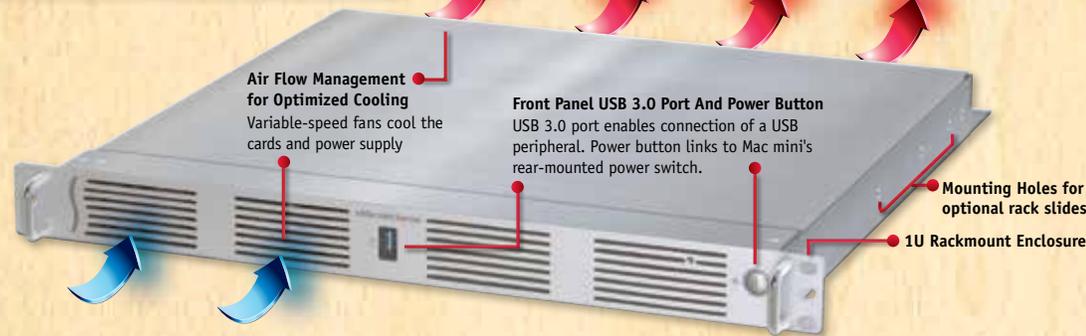
(HDMI, Gigabit Ethernet, and two USB 3.0) connect the Mac mini to the back of the xMac mini Server for convenient external connection. One Thunderbolt cable included.

Power Hub

Single connection for Mac mini & PCIe card power supply

Power Supply

Universal 150W power supply; auxiliary power connector allows use of cards that require supplementary power



Air Flow Management for Optimized Cooling

Variable-speed fans cool the cards and power supply

Front Panel USB 3.0 Port And Power Button

USB 3.0 port enables connection of a USB peripheral. Power button links to Mac mini's rear-mounted power switch.

Mounting Holes for optional rack slides

1U Rackmount Enclosure



150W universal power supply; auxiliary power connector enables use of power-hungry cards such as the Avid Pro Tools|HDX PCIe card



Variable-speed, temperature-controlled fans cool installed cards, power supply and Mac mini; now with quiet mode



Front panel power button and USB 3.0 port allow operation without access to the back of the computer



Fans and power supply are user-replaceable



Auto-power on/off for PCIe cards when the Mac mini powers on/off or sleeps



Panel-mount cables connect the Mac mini's ports to ports on the back of the xMac mini Server for convenient external connection



Two Thunderbolt 2 ports support daisy chaining of Thunderbolt peripherals



Includes Thunderbolt cable to connect PCIe slots to Mac mini



Includes lock to secure Thunderbolt cables



Rack slides available to support installation into any depth rack

Sonnet's xMac mini Server transforms a Mac mini with Thunderbolt technology from a simple server to something much more. It securely mounts a Mac mini inside a custom 1U enclosure and connects two PCIe 2.0 slots (with a 150W power supply with auxiliary power connector for one installed card) to enable you to harness the power of full-size pro video capture, audio interface, 8Gb Fibre Channel, 10 Gigabit Ethernet, RAID controller cards, and more! Temperature-controlled fans deliver strategic airflow to cool the enclosure. Two Thunderbolt ports, one to connect the PCIe slots to the Mac mini, the second for daisy chaining other Thunderbolt devices, are included. A USB 3.0 port and a power button on the front panel allow operation of the system without requiring access to the back of the computer. xMac mini Server expands a Mac mini's potential in a big way!

Built to Serve

With its 1U rack design and 17.75-inch depth, the third generation xMac mini Server is perfect for use in a wide range of popular mobile racks, carts and rack cases, and server rooms as well. The top cover is easily removed to provide access to the PCIe slots, the Mac mini, and the user-replaceable fans and power supply. Panel-mount HDMI, Gigabit Ethernet, and two USB 3.0 cables are included to connect the ports on the back of the Mac mini to ports on the back of the xMac mini Server for convenient external connection. One Thunderbolt cable is also included. The built-in power hub connects to the Mac mini and to the xMac mini Server's power supply to allow a single power cable to support the entire server. No power bricks hanging off the back of your rack with this system!

CONFIGURATION IDEAS



FULL + HALF + DAUGHTER CARD



Add Professional PCIe Cards to Your Mac mini

xMac mini Server supports one full-length PCIe card, and one half-length PCIe card (up to 6.6") plus a daughter card. With the included daughter card mounting bracket, you can install cards like RME's HDSPe MADI FX, Blackmagic Design's DeckLink 4K Extreme, or the Lynx AES16e-50! You can install BNC panel-mount connectors to support HD/SDI output from a RED ROCKET, or word clock I/O from cards like the HDSPe MADI FX. Scan here to discover some of the many ideas people have come up to expand their Mac mini's potential.



Mac mini, PCIe cards not included.