Io Xpand

$499 US MSRP

Designed for creative, broadcast, audio, and post-production workflows, the Io Xpand is a Thunderbolt 5 expansion solution that enables users to connect a full-height, half-length PCIe card to Mac, Windows, or Linux computers with Thunderbolt or USB4 ports. Modern laptops and small-form-factor systems deliver impressive processing power but often lack the PCIe expansion required for professional I/O, networking, storage, and media workflows. Io Xpand solves this by offering a x8 PCIe* 4.0 slot, support for single- or double-width cards, and up to 6000 MB/s bi-directional PCIe bandwidth.

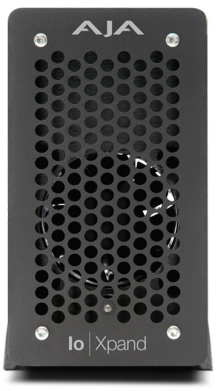
This lightweight aluminum PCIe card enclosure protects the installed PCIe card in demanding production situations, while providing quiet operation under load in a temperature-controlled environment.

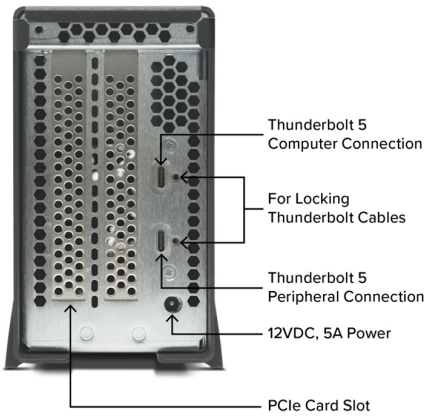
The Io Xpand is available with three optional KONA PCIe I/O card bundles offering cost-effective choices to match your needs. From single channel HD I/O with the KONA 1 to our flagship KONA 5, the Io Xpand bundles offer up to 4K HDR production proven solutions.

The Io Xpand brings professional PCIe connectivity to compact desktop, laptop, and workstations via Thunderbolt 5.

*x4 electrical support

https://www.aja.com/products/io-xpand





Thunderbolt Compatibility

• Thunderbolt 5, 4, 3

IO Card Compatibility

• Compatible with KONA 5, KONA 4, KONA 1, Corvid 44, Corvid 44 BNC

External Connectors

• Two Thunderbolt ports
• 12V power port

Internal Connector

• 6-pin Mini-Fit provides power for AJA cards that require supplemental power

Expansion Slot

• One 8-lane mechanical (4-lane electrical) PCIe 4.0 [Thunderbolt 5 spec]

Operating System Support

• Windows 10, Windows 11
• mac OS 14, mac OS Sonoma and all subsequent versions; including mac OS 15 Sequoia and mac OS 26 Tahoe, and later
• Rocky Linux versions 8.10, 9.5 and later
• Ubuntu Linux 20.04 LTS, Ubuntu 22.04 LTS and later

Noise

• <50dBA (A-weighted at 1m in free air)

Regulatory Compliance

• RoHS 3
• IEC 62368-1: 2014 2nd Edition safety standard

Size (w x d x h)

• 3.0" x 11.125" x 5.75" (77.0 x 283.0 x 146 mm)

Weight

• 2.5 lb. (1.13kg)

Power

• Universal 60W, 100-240V, 50-60 Hz
• NRTL Certified

Environment

• Safe Operating Temperature: 0 to 35 C (32 to 95 F)

Compliance

• RoHS 3 (Directive 2015/863)
• IEC 62368-1 and IEC 62368-2

Package Contents

• Io Xpand Thunderbolt Expansion System
• Universal power adapter
• Region-specific power cable
• 6-pin to 6-pin auxiliary power cable
• 0.8 meter Thunderbolt 5 cable
• ThunderLok-A connector lock
• Documentation