EXAVIZ

Product brief

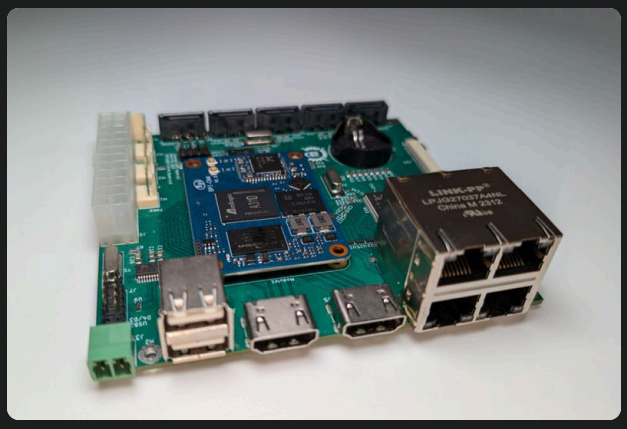
Interceptor Carrier Board v2.0

A five-drive NAS or a 16-port PoE recorder on one compact board.

Interceptor turns a compute module into a NAS or NVR. Start on a Raspberry Pi CM4 and move to a CM5 on the same board later. Five hot-plug SATA drives, a managed Gigabit switch and standard ATX power make it easy to build into a real appliance.

From $79

US list price. Board only. Compute module sold separately.



5x
SATA III, hot-plug, software RAID 0/1/5/6/10

4x
Gigabit managed switch ports

16
PoE+ ports with two PoE Boards (10/100)

2x
HDMI 2.0, up to 4K at 60Hz

CM4 / CM5
Raspberry Pi CM4 or CM5, or Banana Pi CM4

Highlights

- Built for Raspberry Pi CM4; compatible with Raspberry Pi CM5 and Banana Pi CM4
- 5 SATA III ports with hot-plug and software RAID 0, 1, 5, 6 and 10
- 4-port Gigabit managed switch
- Up to 16 PoE+ ports (10/100) with one or two Interceptor PoE Boards

Add a CM5: a quad-core Arm Cortex-A76 processor at 2.4 GHz, up to 16 GB of RAM and, on wireless models, dual-band Wi-Fi 5 and Bluetooth 5.0 (CM5 sold separately). A CM4 works too.

Add one or two Interceptor PoE Boards for up to 16 PoE+ ports. One 48Vdc Power Converter supplies 240W: 8 ports at 30W or 16 ports at 15W. Cases, power supplies and a Mini-ITX board adapter are in the Exaviz shop.

Exaviz Management, free with Interceptor: manage PoE ports, port groups and storage from your local network, with no account, no cloud, and no information collected about you or your network.

Built for

Compact NAS
Five SATA drives with software RAID 0, 1, 5, 6 or 10, ready for an Exaviz 1U case.

NVR for up to 16 cameras
Add one or two Interceptor PoE Boards and a 48Vdc Power Converter to power and record PoE cameras.

Industrial network appliance
Use the 4-port managed switch, RS-485 and UART for OT protocol gateways, PoE controllers and industrial controllers.

Specifications on page 2 →

Specifications

Compute module	Raspberry Pi CM4, Raspberry Pi CM5 or Banana Pi CM4 (sold separately)
Storage	5x SATA III (JMicron JMB585), hot-plug, microSD
RAID	Software RAID 0, 1, 5, 6 and 10 (mdadm)
Switch	4x Gigabit RJ-45, managed (Realtek RTL8367RB)
PoE	Up to 16 PoE+ ports (10/100 Mbps) with one or two Interceptor PoE Boards. One 48Vdc Power Converter supplies 240W: 8 ports at 30W or 16 ports at 15W
Video	2x HDMI 2.0, up to 4K at 60Hz (one HDMI port with Banana Pi CM4)
USB	4x USB 2.0 (2 rear, 2 via header)
Serial	RS-485 connector, UART on the front panel header
Power input	Standard 24-pin ATX power supply
Size	100 × 110 mm, Mini-ITX compatible with the Interceptor Board Adapter
Other	RTC with CR2032 battery, 4× 12V fan headers (fans run at full speed, no PWM)
Operating temperature	0 to 70 °C
Software	CM4 and CM5: Raspberry Pi OS, Debian 12 Bookworm or 13 Trixie, or Ubuntu 25.10 or 26.04 LTS with Exaviz packages from apt.exaviz.com. Banana Pi CM4: legacy Exaviz OS image (still available, no longer developed)
Compliance	See our trade compliance statement for the board's HTS code, ECCN and self-attested NDAA statements on its own components

Good to know

Board only. Compute module sold separately, with a standard 24-pin ATX power supply. USB is USB 2.0, so boot a CM5 from microSD or eMMC (flash an initialized eMMC on a Raspberry Pi IO Board first). Fan headers run at full speed, PoE ports at 10/100 Mbps, and Banana Pi CM4 drives one HDMI output on the Exaviz OS image, which is still available but no longer developed.

Specifications as of October 2026 and subject to change; exaviz.com has the latest. Prices in USD. Raspberry Pi is a trademark of Raspberry Pi Ltd.