EXAVIZ

Product brief

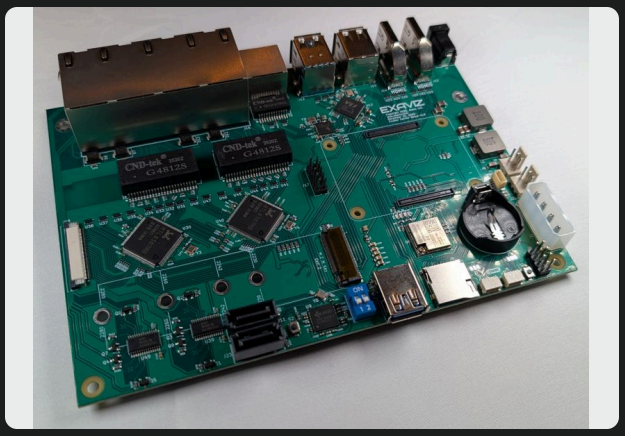
Cruiser Carrier Board v1.0

One board instead of a PoE switch, a recorder and a server.

Cruiser turns a Raspberry Pi CM5 into a complete edge box. Power cameras, access points and sensors straight from the board, record to NVMe or SATA, and run the software you choose on the same CM5. No separate PoE switch, no cloud account, no extra boxes.

From $99

US list price. Cruiser Keel, no PoE. PoE versions from $119. Board only. CM5 sold separately.



8x
Gigabit PoE+ ports (4 on Cruiser Lite)

120W
PoE budget: 8 ports at 15W or 4 at 30W

2.5GbE
WAN uplink

3x
USB 3 (5 Gbps)

ESP32-C6
2.4 GHz Wi-Fi 6 + Bluetooth LE, or Zigbee

Highlights

- Built for Raspberry Pi CM5
- Power eight cameras straight from the board on Cruiser (4 on Cruiser Lite), no separate PoE switch
- Add an Interceptor PoE Board for 8 more PoE ports (10/100), 16 in total on Cruiser (12 on Cruiser Lite or Cruiser Keel)
- Put an NVMe SSD or a Hailo-8 accelerator in the M.2 slot
- 2x SATA with hardware or software RAID for recordings
- ESP32-C6 radio: 2.4 GHz Wi-Fi 6 and Bluetooth LE, or Zigbee

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

Need more ports? Add one Interceptor PoE Board over the onboard FFC connector for 8 more PoE+ ports (10/100 Mbps): 16 in total on Cruiser, 12 on Cruiser Lite or Cruiser Keel. Cruiser powers it directly from its own 48V supply, so no converter is needed. Cruiser Keel has no onboard PoE, so give it a 48V supply when you add a PoE Board.

Exaviz Management, free with Cruiser: 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

Edge NVR
Power up to eight PoE cameras at 15W, or four at 30W, on Cruiser (four ports on Cruiser Lite), and record them on the same board with NVMe and two SATA drives in hardware or software RAID.

PoE switch and edge server
Run your network services, VMS or containers on the CM5 while the board feeds your PoE devices.

Edge AI
Put a Hailo-8 accelerator in the M.2 slot and run detection right next to the cameras.

Building sensors and controls
Use the ESP32-C6 for 2.4 GHz Wi-Fi 6 and Bluetooth LE sensors, or switch the radio to Zigbee mode.

Versions

Version	Switch ports	Best for	Price
Cruiser	8x Gigabit PoE+	NVR, PoE switch	$149
Cruiser Lite	4x Gigabit PoE+	Smaller installs	$119
Cruiser Keel	4x Gigabit, no PoE	Non-PoE builds	$99

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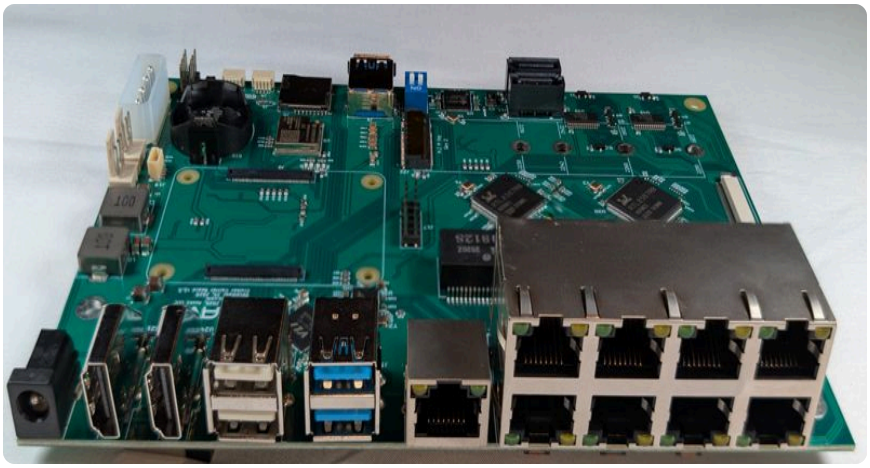
Specifications

Compute module	Raspberry Pi CM5 or CM5 Lite (sold separately)
Switch	Cruiser: 8x Gigabit PoE+. Cruiser Lite: 4x Gigabit PoE+. Cruiser Keel: 4x Gigabit, no PoE
PoE	IEEE 802.3at (PoE+), 802.3af compatible. 120W budget: eight ports at 15W or four at 30W (firmware 1.1.2 or later)
Uplink	2.5GbE uplink port (Realtek RTL8156BG)
Storage	M.2 Key-M (PCIe Gen 2 ×1, 2230 to 2280), 2x SATA III, microSD
RAID	Hardware RAID 0, 1, Span or JBOD (DIP switch), or Linux software RAID
Wireless	ESP32-C6: 2.4 GHz Wi-Fi 6 (802.11ax) and Bluetooth LE, or Zigbee (optional firmware). External antenna connector; antenna not included
Video	2x HDMI 2.0, up to 4K at 60Hz, independent displays
USB	3x USB 3 (5 Gbps), 4x USB 2.0 (2 stacked, 2 via header)
Expansion	2x Qwiic/STEMMA QT, FFC connector for an Interceptor PoE Board (+8 ports at 10/100 Mbps)
Power input	DC barrel jack (5.5/2.1 mm). Cruiser and Cruiser Lite: 48 to 57V. Cruiser Keel: 13 to 57V, 24V or higher recommended, 48V when an Interceptor PoE Board is attached
Size	170 × 120 mm, Mini-ITX compatible with standoff spacers
Operating temperature	0 to 70 °C
Software	Raspberry Pi OS, Debian 12 Bookworm or 13 Trixie, Ubuntu 25.10 or 26.04 LTS (arm64) with Exaviz packages from apt.exaviz.com
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. Raspberry Pi CM5 or CM5 Lite sold separately. The 120W PoE budget is shared by every port, including an attached PoE Board, and PoE Board ports run at 10/100 Mbps. Planning all 16 ports? Talk to us first. The ESP32-C6 uses an external antenna, not included.



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sales@exaviz.com
info@exaviz.com

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.