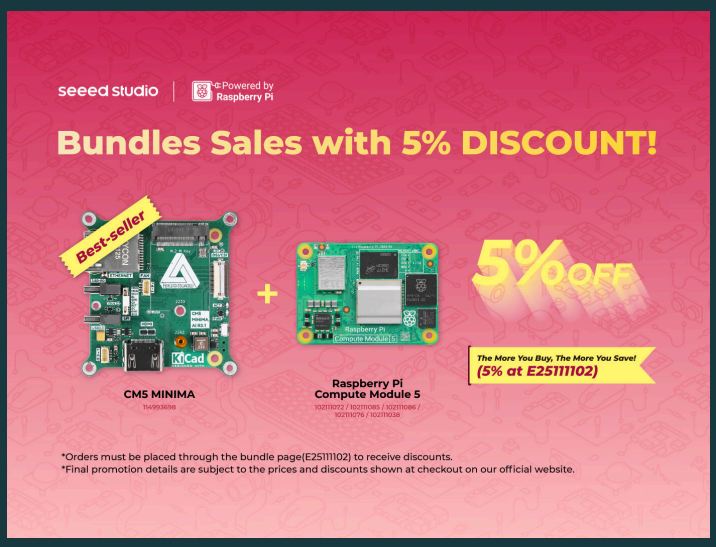
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INDUSTRIAL PRODUCT DATASHEET

CM5 MINIMA & Raspberry Pi Compute Module 5 – Compact Carrier Board for Raspberry Pi Compute Module 5, M.2 Hailo AI/SSD, CSI/DSI，Gigabit Ethernet, HDMI, USB-C PD

Compact Raspberry Pi Compute Module 5 carrier board with M.2 SSD, Gigabit Ethernet, HDMI, USB-C PD, and extensive sensor/display connectivity for versatile applications.

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Overview



The CM5 MINIMA is a compact carrier board designed for the Raspberry Pi Compute Module 5, featuring USB-C PD, USB 2.0, Gigabit Ethernet, HDMI, M.2 M key slot, CSI/DSI connectors, and built-in SHTC3 sensor. It is well-suited for IoT, home automation, embedded systems, media centers, and DIY projects.

Key Features

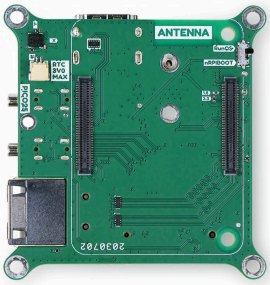
- **USB-C Power Delivery (PD):** Supports power negotiation for efficient energy use.
- **USB 2.0 Ports:** Connect peripherals such as keyboards, mice, and external storage.
- **Gigabit Ethernet:** High-speed wired networking with a low-profile cutout magjack.
- **HDMI Port:** Output video to external displays for media playback or interface applications.
- **M.2 M Key Slot:** Supports 2230 SSDs for fast storage expansion.
- **CSI/DSI Connector:** Attach camera modules or displays for vision-based applications.
- **SHTC3 Sensirion Sensor:** Built-in temperature and humidity monitoring.
- **I2C Connector (3.3V only):** Connect low-power sensors and communication modules.
- **SPI Connector:** Supports high-speed communication with other devices.
- **Fan Connector:** Optional cooling support for high-performance applications.
- **Status LEDs:** Visual indicators for power and system activity.
- **Compact Size:** Measuring only **5.4 × 5.7 cm**, ideal for space-constrained projects.

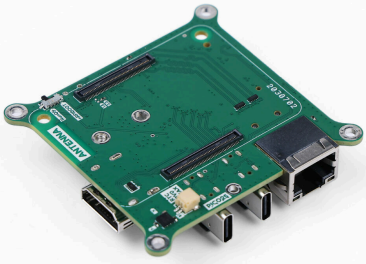
Product Gallery

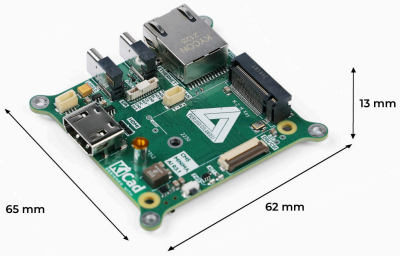












Applications

- **IoT & Smart Devices:** Use sensors and network capabilities to create connected applications.
- **Home Automation:** Control and monitor home devices with minimal power consumption.
- **Embedded Systems:** Develop custom hardware solutions for industrial and consumer electronics.
- **Media Centers:** Play videos and manage digital content on an external display.
- **DIY Projects:** Ideal for makers and educators learning about electronics and programming.

Resource Links

- https://www.seeedstudio.com/CM5-MINIMA-Raspberry-Pi-Compute-Module-5-Compact-Carrier-Board-for-Raspberry-Pi-Compute-Module-5-M-2-Hailo-AI-SSD-CSI-DSI-Gigabit-Ethernet-HDMI-USB-C-PD.html

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