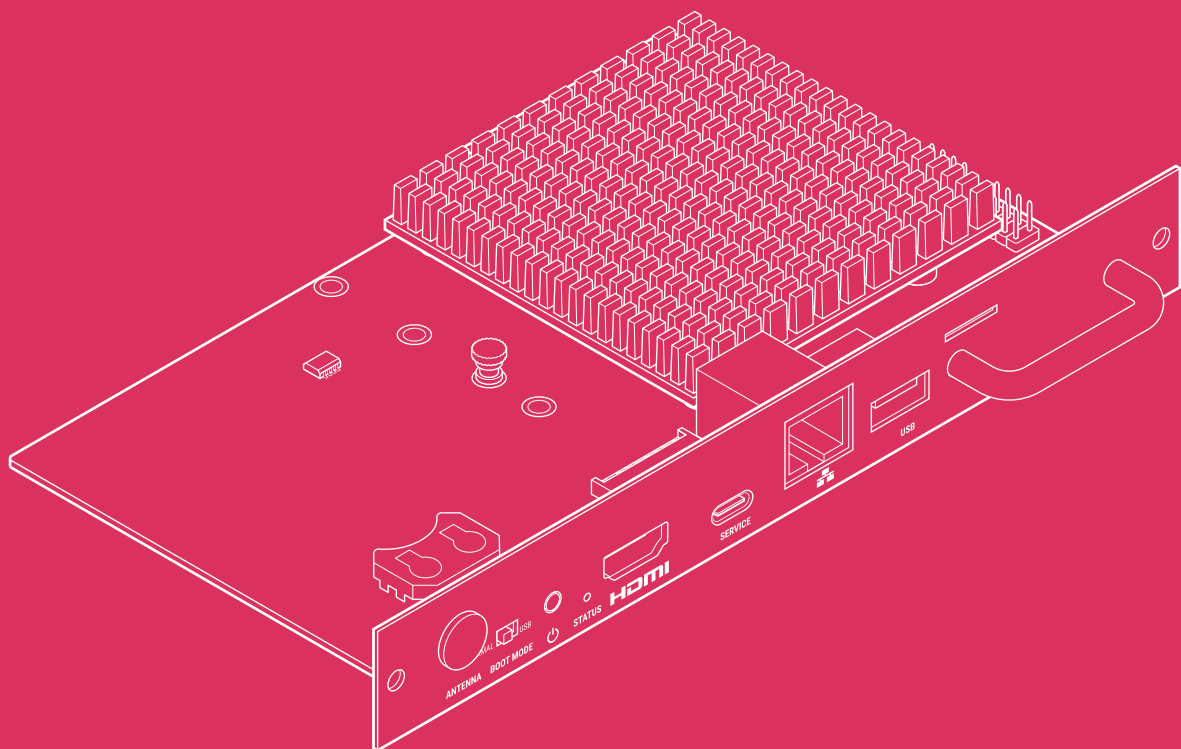




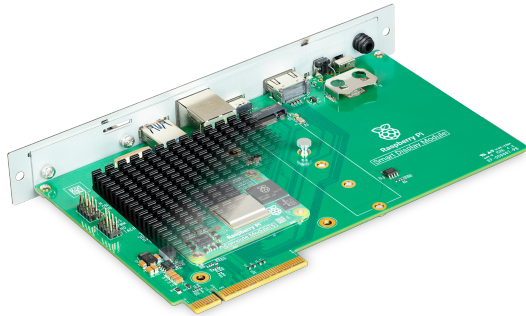
Raspberry Pi Smart Display Module

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Overview



The Raspberry Pi Smart Display Module is an adapter board for Raspberry Pi Compute Module 5 that enables you to integrate your compute module into products that conform to the Intel® Smart Display Module (SDM) standard, with no external cabling or power source required. Typically used for digital signage, it is ideal for applications such as flight information display systems (FIDS), wayfinding, retail and corporate signage, and industrial displays. The module can also be paired with projectors that support Intel SDM to power applications including exhibits and immersive experiences.

The Smart Display Module slots directly into products that support Intel's standard, drawing power from the host device itself. The included heatsink fits within the SDM form factor to conduct heat away from Compute Module 5. The module also provides HDMI output to support a second, independent video stream, and an M.2 expansion slot for optional AI acceleration or high-speed storage.

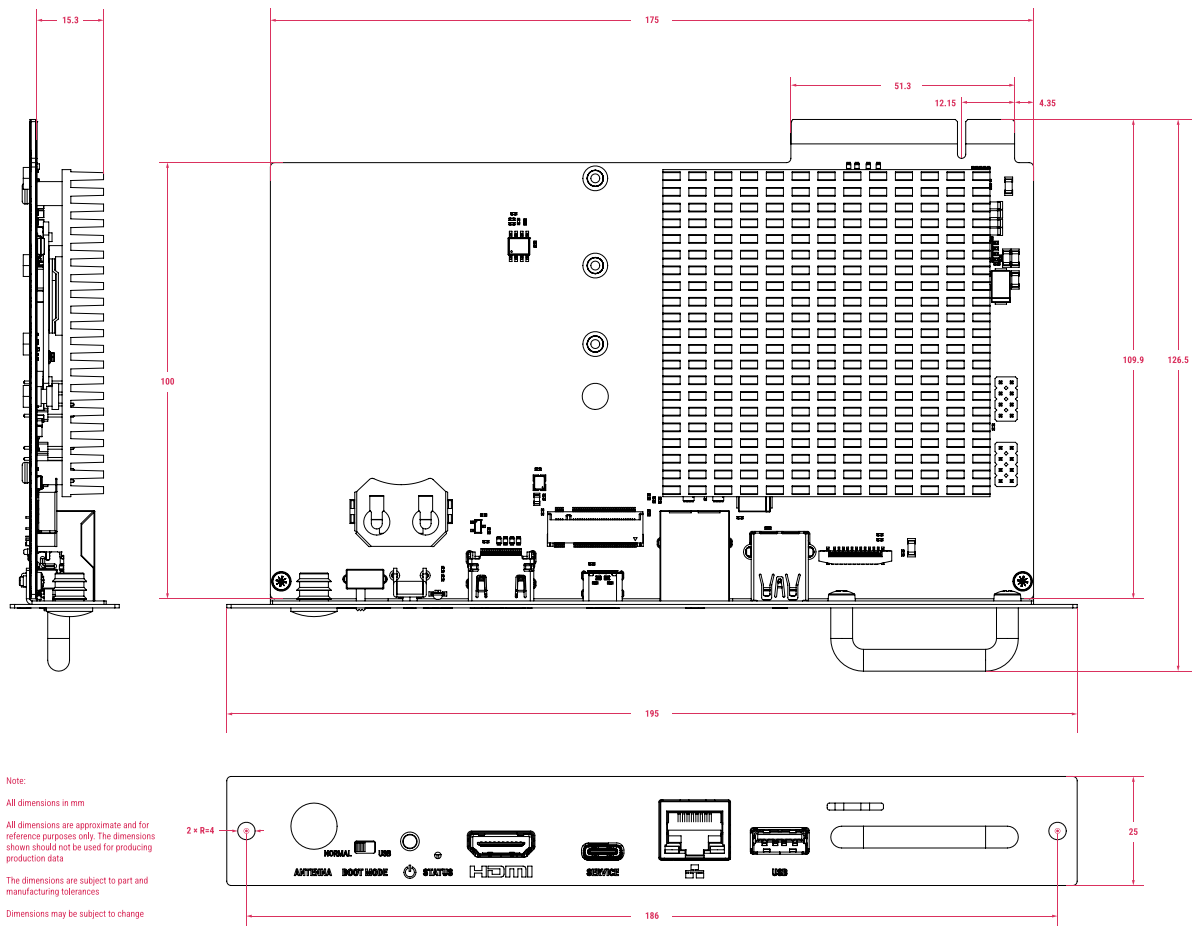
Raspberry Pi Compute Module 5 is sold separately.

Specification

Form factor	SDM-L
Compatibility	Compatible with Raspberry Pi Compute Module 5 Conforms to the Intel® SDM specification Support for a U.FL antenna on Compute Module 5 (such as the one included in the Raspberry Pi Antenna Kit)
Connectivity	HDMI® 2.0 USB 3.0 Type-A USB 2.0 Type-C (for programming Compute Module 5 only) Gigabit Ethernet RJ45 M.2 M-key PCIe socket (compatible with the 2230, 2242, 2260, and 2280 form factors) 22-way MIPI DSI/CSI-2 connector RTC battery socket (CR2032) Raspberry Pi Compute Module 5 slot Intel SDM edge connector providing: • HDMI 2.0 • USB 3.0 • 2× I²C • General SPI • UART
Features	Boot mode switch External power button LED indicator Mounting for Raspberry Pi Antenna Kit
Supplied with	Raspberry Pi Smart Display Module Passive aluminium heatsink 4 × M3 screws to secure the heatsink 2 × M2 screws to secure Compute Module 5 Drive attachment screw to secure an M.2 card
Dimensions	193 × 125 × 25mm
Weight	225g when fully assembled; 146g as a standalone module

Production lifetime	The Raspberry Pi Smart Display Module will remain in production until at least January 2036
Compliance	For a full list of local and regional product approvals, please visit pip.raspberrypi.com
List price	\$30

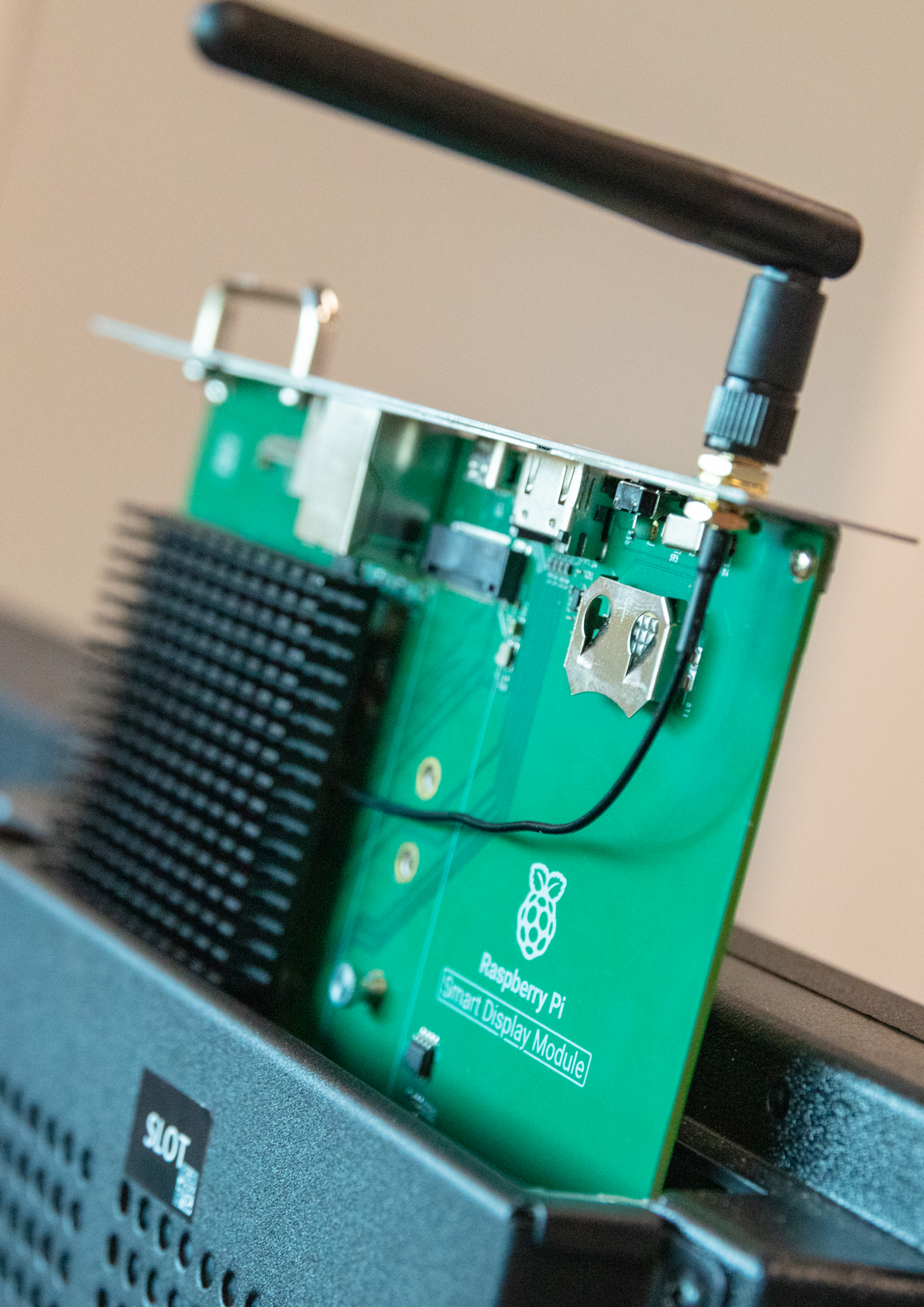
Physical specification



Safety warnings

To avoid malfunction or damage to this product, please observe the following:

- Do not remove the Smart Display Module or touch the internal PCB or components while the host device is powered.
- Disconnect the host device from the power supply before removing the Smart Display Module. Even if the host device is turned off and in standby mode, it may still power the SDM slot unless fully disconnected.
- When removing the Smart Display Module, use the handle to pull it straight out from the host device.
- While in use, this product should not be contacted by conductive items.
- Do not expose to water or moisture, or place on a conductive surface while in operation.
- Do not expose to heat from any source; the Smart Display Module is designed for reliable operation at normal ambient temperatures.
- Take care while handling to avoid mechanical or electrical damage to the printed circuit board and connectors.
- The connection of incompatible devices to the Smart Display Module may affect compliance, result in damage to the unit, and invalidate the warranty.
- All peripherals used with this product should comply with relevant standards for the country of use and be marked accordingly to ensure that safety and performance requirements are met.




Raspberry Pi
Smart Display Module

SLOT



Raspberry Pi

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