radxa

Radxa 20W PoE+ HAT
Compact High-Efficiency PoE HAT

Revision 1.0
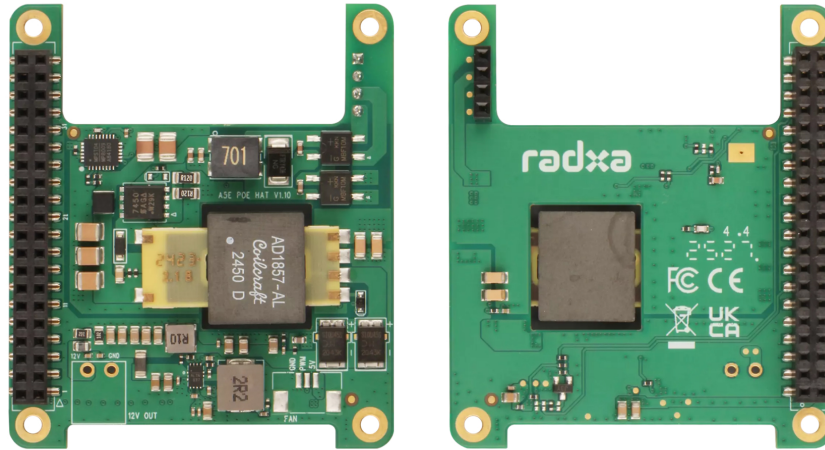### 2025-07-28

Radxa Computer

Contents

1 Revision Control Table

Version	Date	Changes from previous version
1.0	2025-07-28	First version

2 Introduction

Radxa 20W PoE+ HAT is a high-efficiency power supply solution designed for Single Board Computers (SBCs). It complies with IEEE 802.3af/at PoE standards, supporting power and network transmission through a single cable, significantly simplifying device wiring.

The Radxa 20W PoE+ HAT is designed to be compatible with various Single Board Computers (SBCs) and is currently fully compatible with the Cubie A5E.

3 Features

- **Energy Efficient** - Maximum power of 20W, automatically adapts to different load requirements, reducing energy consumption.

- **Compact Design** - Features a small form factor that, when paired with the Cubie A5E and Radxa Metal Case 7264, can be deployed in tight spaces.

- **Standard Power Supply** - Supports IEEE 802.3af/at standards, with a wide input voltage range of 37-57V and maximum output of 5V/4A.

- **Perfect Compatibility with Cubie A5E** - Precision openings and structural design ensure perfect interface compatibility.

4 Package List

- 1x Radxa 20W PoE+ HAT
- 4x M2*7 mm Standoffs
- 4x M2*8 mm Standoffs

- 4x M2*9 mm Standoffs

5 Dimensions

65 x 56 mm

6 Availability

Radxa guarantees availability of the Radxa 20W PoE+ HAT until at least June 2035.

7 Support

For support please see the hardware documentation section of the Radxa Documentation website and post questions to the Radxa forum.