

## Advanced Driver-Assistance System (ADAS) Electronic Control Unit (ECU) : Xiaomi SU7 Teardown Report



**Xiaomi SU7 (from Web info)**

<https://hu.motor1.com/news/703064/xiaomi-su7-onallo-parkolas-video/>



**Overview of ADAS ECU**



**PCB**

### **Overview**

Xiaomi, the Chinese electrical appliance maker announced its first battery electric vehicle (BEV) Xiaomi SU7 in March 2024.

These vehicles are equipped with the most advanced ADAS(Advanced Driving Assistant System. Information from LiDAR, 11 high-resolution cameras, 3 millimeter-wave radars, and 12 ultrasound radars are integrated processed by ADAS ECU (NVIDIA DRIVE Orin platform-adopted) and feedback to driving support.

This is a teardown report of ADAS ECU installed in Xiaomi SU7 Max.

### **Product features**

- Capable for seamless integration with smartphones and home appliances by adopting advanced ADAS including urban areas and proprietary OS of Hyper OS
- NVIDIA's Orin SoC (n=2)
- Water cooling

### **Report Contents (16 pages)**

- Product teardown, parts measurement (size & weight)
- Identification of key ICs on the PCB (including datasheet, if we found).
- Comparison between Nvidia Jetson AGX Orin (evaluation board) and actual use

### **Report price**

**Delivery one week after order placement**

**Please contact us for report pricing**

**Note: It is possible to lend this unit to whom purchase teardown report.**

**Custom analysis or more detailed analysis are available upon request.**

**Please contact us for more information.**

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