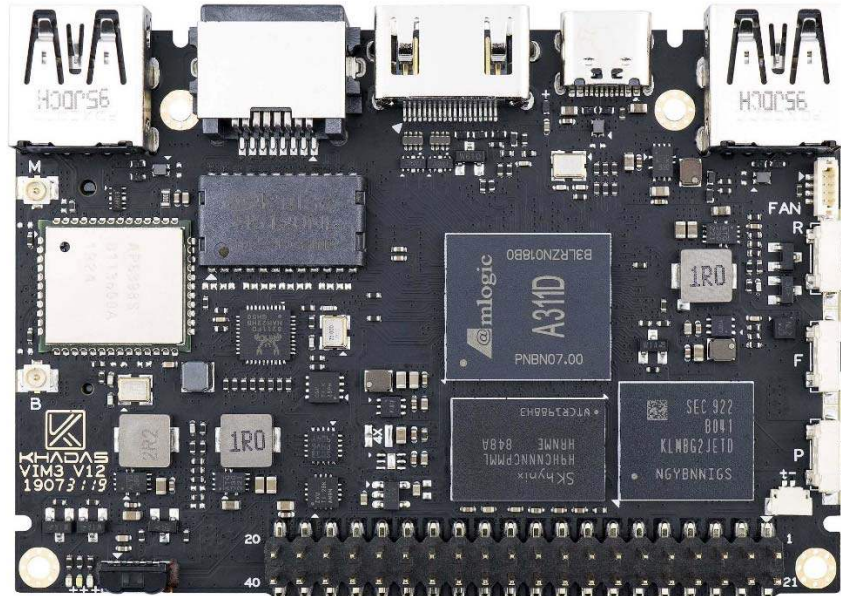




KHADAS



VIM3 Basic

SKU: KVIM3-B-002

Key Features:

High Performance:

- Amlogic A311D - x4 2.2Ghz Cortex A73, x2 1.8Ghz Cortex A53
- 12nm SoC fabrication process for low heat
- 2T2R AC Wi-Fi with RSDB Features
- Bluetooth 5.0
- USB 3.0 Available
- Gigabit Ethernet with WOL support
- LPDDR4/X
- USB-C PD for heavy applications

NVMe SSD:

- M.2 Connector

Neural Network Accelerator:

- NPU: Supports a maximum frequency of 800MHz at 5.0 TOPS
- INT8 inference up to 1536 MAC
- Internal L2 cache (512KB) and system workspace buffer (1MB)
- Supports all major deep learning frameworks including TensorFlow and Caffe

Maker Friendly:

- Stackable Design
- Programmable MCU
- 3 Programmable LEDs (Blue, Red and White)
- XPWR for external Power button
- Onboard SPI Flash
- Khadas TST
- Khadas KBI

Business Applications

- Dual independent displays with GSensor
- H.264 / H.265 Encoding
- Supports multi-video decoding up to 4Kx2K@60fps+1x1080P@60fps
- VIN Power Input

Rich IO:

- 40 Pin GPIO Header (USB, I2C, I2S, UART, ADC etc)
- 8-ch I2S for Microphone Array application (over M.2 Connector)
- MIPI-DSI
- MIPI-CSI
- Designed with GPIO Extender Chip

Compatible Accessories (sold separately):

- New VIM Heatsink
- 3705 Cooling Fan
- M2X Extender Board
- TS050 Touchscreen
- Khadas Tone Board
- DIY Case
- IR Remote
- USB-C 24W Adapter (White)
- USB-C Cable (White, Male to male)
- USB 10W Adapter (Black, light workloads only)
- USB-C Cable (Grey 2.0 to Type-C)
- HDMI Cable (19-Pin)

What's in the Box:

- VIM3 Basic
- Wi-Fi Antenna x2

* USB-C adapter and cable sold separately.

VIM3 Basic

SKU: KVIM3-B-002

- VIM3 Basic

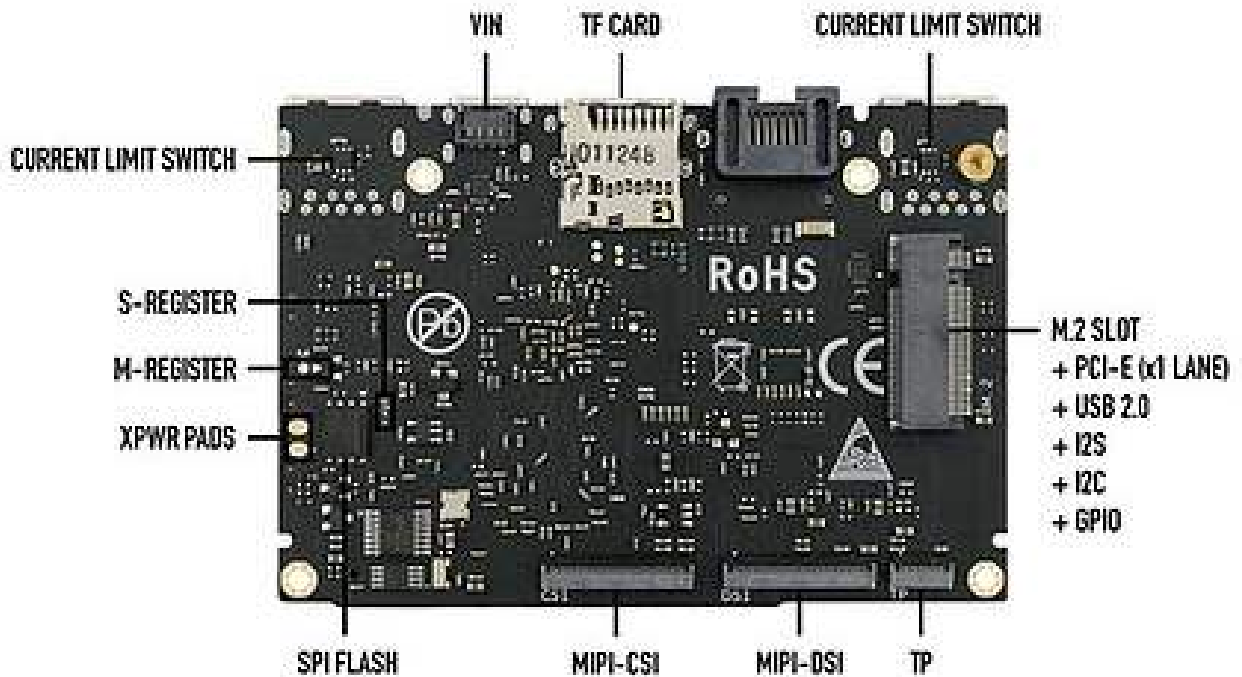
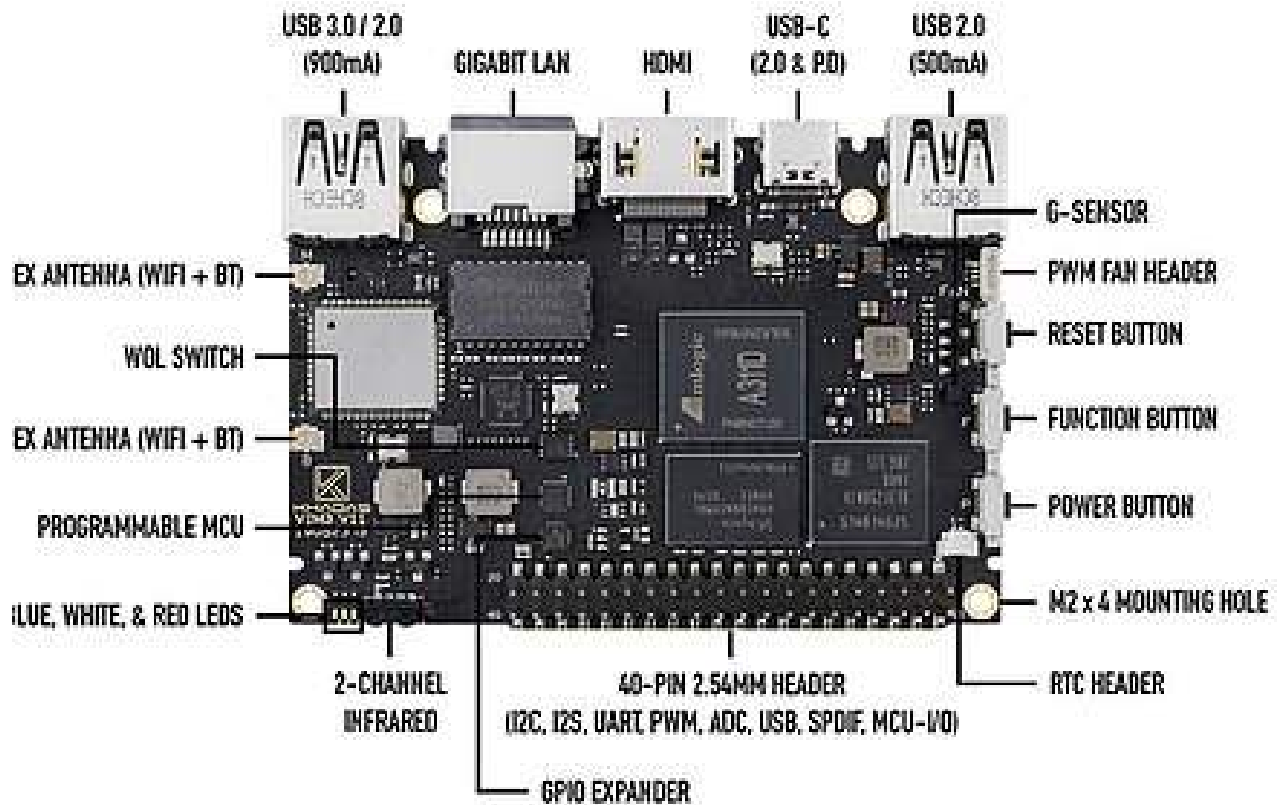
You are buying a VIM3 Basic:

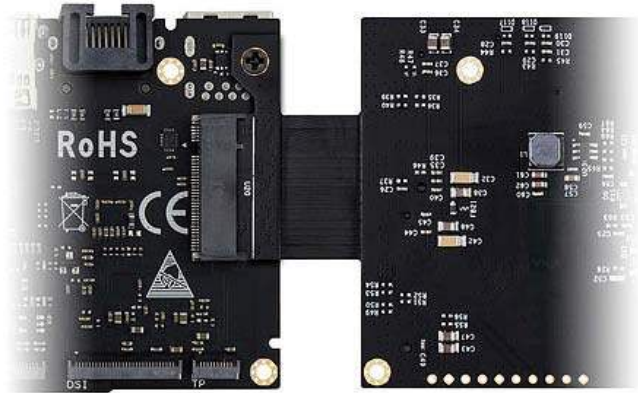
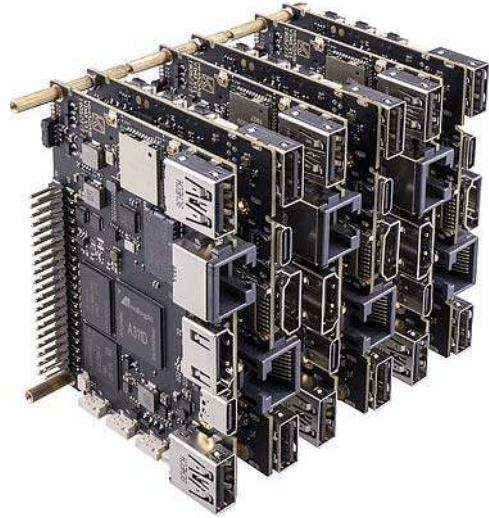
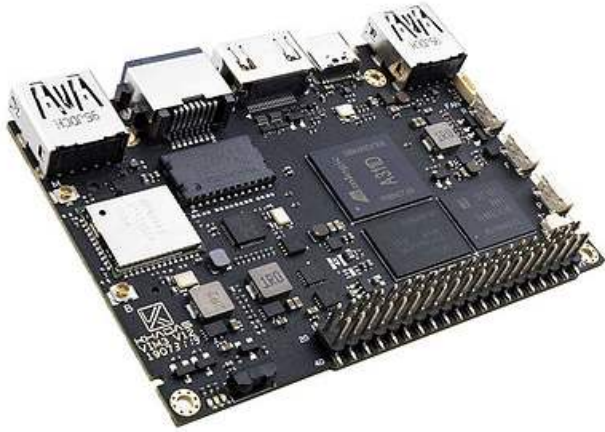
- 2GB RAM
- 16GB EMMC

What's in the Box:

- VIM3 Basic
- Wi-Fi Antenna x2

* USB-C adapter and cable sold separately.





<https://www.khadas.com/product-page/vim3-basic/9-23-19>