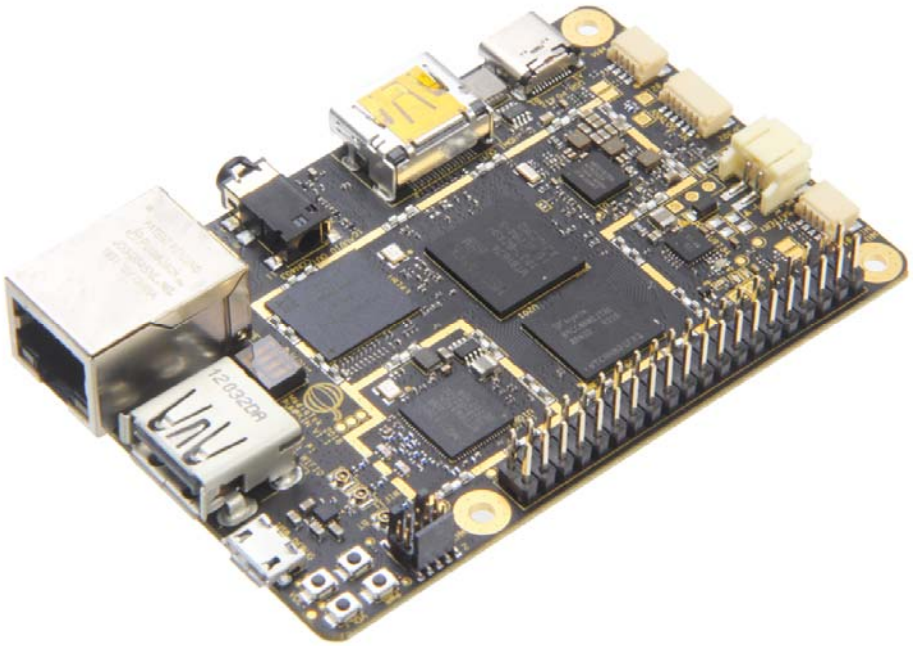


Pumpkin Evaluation Kit Smart Hub Edition

SKU 114991840

Evaluation kit for Rich IoT applications. Designed for mainstream smart devices with control display and/or camera input. Deploy your machine learning models running at the edge such as object detection.

The Pumpkin Evaluation Kit – Smart Hub Edition is a single-board computer (SBC) powered by MediaTek MT8167 SoC. Designed for Rich IoT market this EVK jump-starts the development of products with display and camera capabilities (control panels, smart hubs, point-of-sales, smart appliances, robots).

Ready for Edge AI development and deployment with machine learning frameworks such as TensorFlow Lite to support models like object detection (for example MobileNet + SSD).

Suitable for indoor/outdoor home and industrial applications through extended coverage with Wi-Fi 5 2x2 MIMO.

Powered by the ARM quad-core Cortex-A35 power efficient 64-bit CPU solution this EVK is a great solution for smart battery operated devices.

Attention

If you want to buy one, please email us: order@seeed.cc

Pumpkin EVK - Smart Hub Edition	
SoC	MediaTek MT8167
CPU	Quad-Core ARM Cortex-A35 @ 1.5GHz
GPU	PowerVR Series 8
Video	H.264/HEVC decoder, H.264 encoder
Display	MIPI DSI 15-pin connector compatible with Raspberry Pi displays
Camera	MIPI CSI,13MP ISP
RAM	2GB LPDDR3
Flash	8GB e.MMC Optional SLC NAND configuration
Storage	Micro-SD card slot (card not included)
Wireless	- MediaTek MT7668 - Wi-Fi 5 (802.11ac) 2x2 MIMO dual-band (2.4GHz, 5GHz) - Bluetooth 5

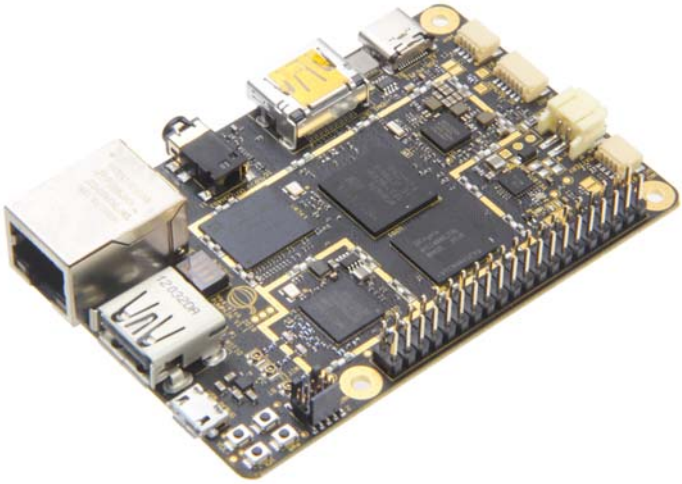
Battery Charger	Charging (USB Type-C) and power path
Expansion	40-pin GPIO connector
USB	- Type-C (Host/Device, 5V DC power, charging) - Type-A (Host) - Micro-B (Serial Console)
Ethernet	10/100Mbps
Audio	- 3.5mm stereo headset jack - 2x digital PDM microphone connectors - 8-ch audio input / 8-ch audio output

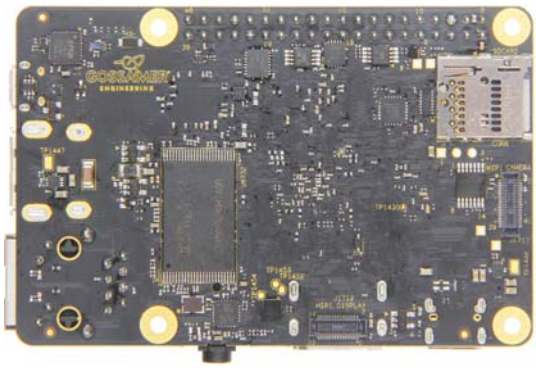
Software	
OS	Yocto Linux, Android 9 Pie
Kernel	4.19
Bootloader	U-Boot
Security	Secure Boot, TrustZone, TF-A, OP-TEE
Audio Far-Field	DSP Concepts

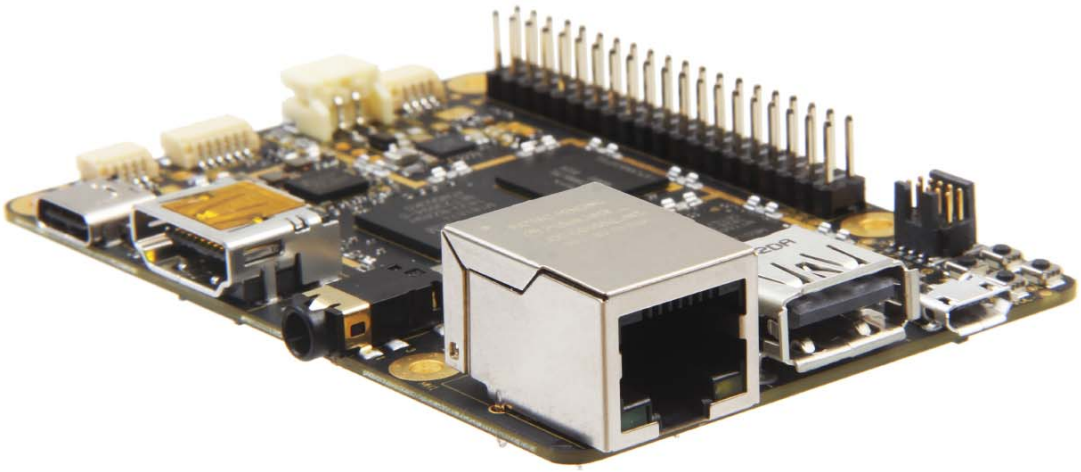
AI	- TensorFlow Lite - Object detection (MobileNet + SSD)

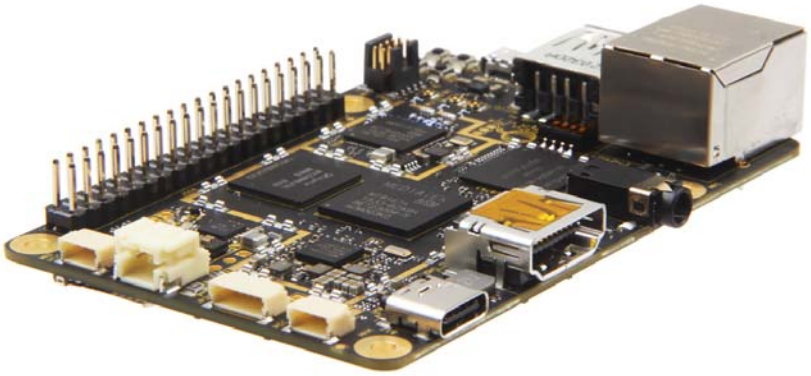
ECCN/HTS

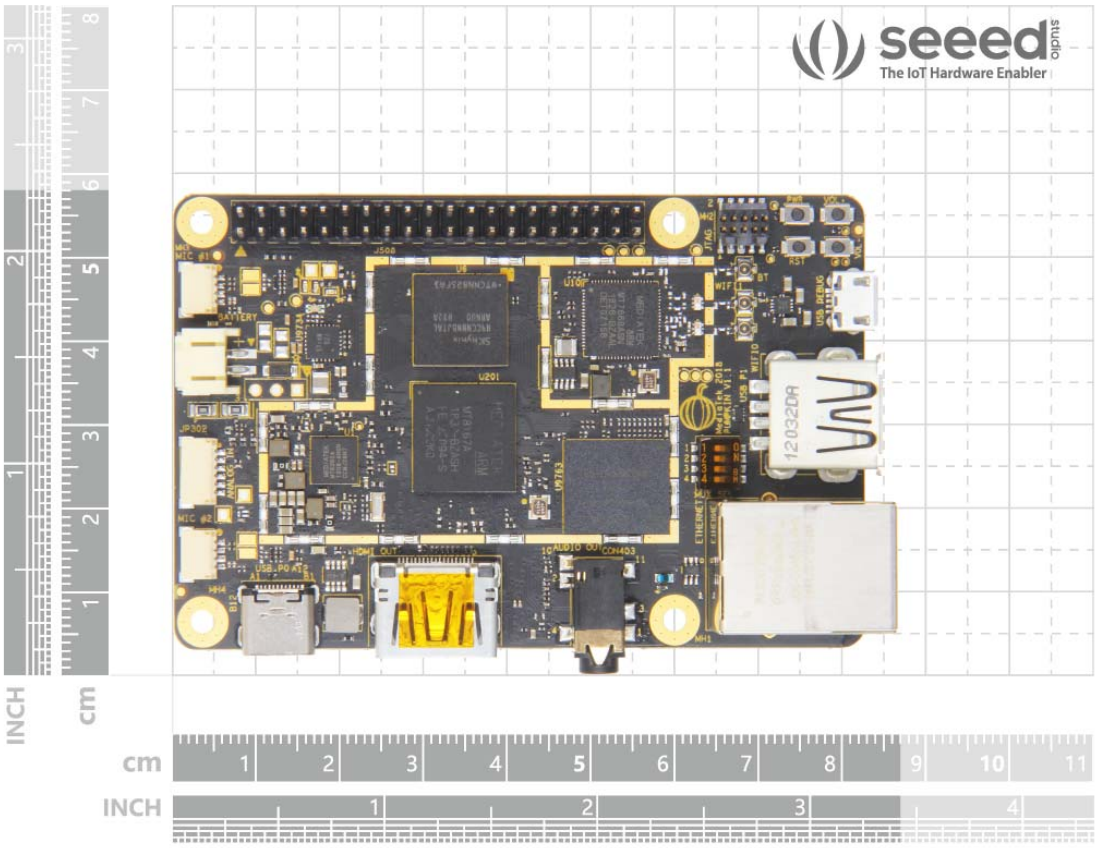
HSCODE	8543709990
UPC	











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