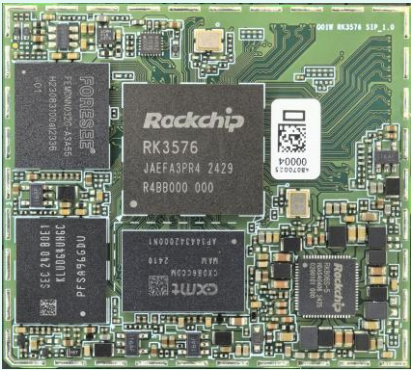
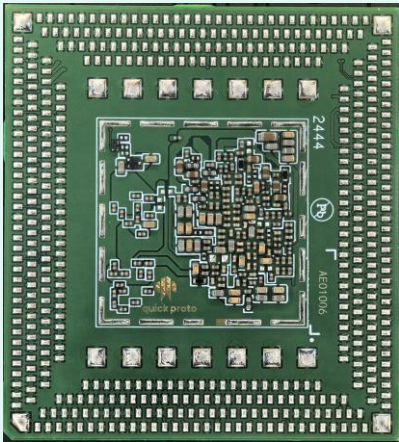


Q01_RKSOM(RK3576 SOM)

(System on Module with RockChip 3576 SoC)



PIN compliant with
Q01_RKSOM(RK3576
SOM)
RoHS compliant



Technical Detail (released on 24-06-05)

CPU	Quad-Core Cortex-A72 + Quad-Core Cortex-A53, Max Frequency 2.2GHz
GPU	ARM G52 MC3 with support for OpenGL ES3.2, OpenCL 2.2, Vulkan1.2
NPU	RKNN, 6 TOPS NPU with support for TensorFlow, Caffe, TFLite, PyTorch, ONNX NN, Android NN
RAM	4 GB, 8 GB, 16 GB, or 32 GB 32-bit LP4/LP4X/LP5
ROM	32 GB, 64 GB, 128 GB, or 256 GB UFS 2.0 (2-lane), eMMC 5.1, SPI Nor/Nand
Supported OS	Debian 11, Android 12, Ubuntu 22.04
Supply power	4 V DC
Video codec	8Kp60 video decoding (H.264/H.265/VP9) 8Kp30 video encoding (H.264/H.265)
Display	1x HDMI interface + 1x DP/eDP combo interface, up to 7680 x 4320@60 Hz for HDMI and DP, and 3840 x 2160@60 Hz for eDP
Camera	1xMIPI-CSI DPHY 4Lane /CPHY 3Lane,4xMIPI-CSI DPHY 2Lane
ISP	48M ISP, HDR
Network	10/100/1000M BASE-T, up to 10G
USB	1x USB 3.0 (Gen1)
PCIe	PCIe 2.0x1 2
Others	– UART DEBUG x1, UART+flow control x2 – SPI x2 – I2C x4 – CAN x1 – I2S x4 – SD 4.0, SDHOST 4.0, and SDIO 3.0 – PWM x3, GPIO x15
Compatibility	Compatible with Jetson TX2 NX(+ Q01W_MXM_Adapator)
OTP	Size: 8K
Optional accessory	Heatsink fan
Dimensions	50 mm x 45 mm
Temperature	– Operating: -20°C to 80°C – Storage: -20°C to 80°C
Relative Humidity	– Operating: 10% to 90% – Storage: 5% to 95%

For further information, Contact us by Email: admin@qtepro.com