



CE, FCC, IC, UKCA certified,
RoHS compliant

Technical Detail

(released on 24-01-31, updated on 25-04-18)

CPU	Quad-core Cortex-A76 + Quad-core Cortex-A55, Neon and FPU
GPU	Arm Mali-G610 MC4 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 64-bit LPDDR4/LPDDR4X
ROM	32 GB, 64 GB, 128 GB, or 256 GB eMMC 5.1 flash storage
Supported OS	Debian 11, Android 12, Ubuntu 22.04, and Armbian 23.07
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	3x 4-lane or 5x 2-lane MIPI CSI interfaces @ 2.5 Gbps/lane
ISP	48M ISP, HDR
Network	10/100/1000M BASE-T, up to 10G
USB	1x USB 3.0 (Gen1), 3x USB 2.0
PCIe	PCIe 3.0 x4 + PCIe 2.1 x1
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 85°C(-40°C to 85°C for Industrial option, -40°C to 105°C for Automotive option)
	– Storage: -20°C to 85°C
Relative Humidity	– Operating: 10% to 90%
	– Storage: 5% to 95%

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