

Features

- Development Kit with 10.1" Touch Panel
- i.MX 8M Cortex A53/ Cortex M4 Processor onboard
- 2GB Onboard DDR4, 16GB eMMC Onboard
- SIM Card, Micro SD Card Slot
- Pre-loaded OS: Ubuntu, Yocto, or Android on eMMC



Specifications

System	
CPU	NXP i.MX 8M Cortex A53/ Cortex M4, Quad Core Processor
System Memory	2GB Onboard DDR4 Memory
Storage	1 x MicroSD Card Slot Onboard 16GB eMMC Flash
Audio	Chipset:Wolfson® WM8960 Ultra Low Power Audio Codec
Ethernet	LAN 1: Micrel® KSZ9031 Gigabit Ethernet LAN 2: Realtek® RTL8119G PCIe Gigabit Ethernet
Expansion	1 x 2230 M.2 E Key for Wi-Fi/BT (PCIe & USB Channel) 1 x 3042 M.2 B Key for 3G/4G Module (USB Only) 1 x SIM Card Slot for 3G/4G Module
OS Support	Linux, Android
Panel Display	
LCD Size	10.1"
Display Type	LCD
Resolution	1280 x 800
Luminance	350cd/m ²
View Angle(H+/ V+)	85°/85° (H/V)
Touch Type	PCAP

Mechanical & Environment

Power Adaptor 12V Power Adaptor

Development Kit Includes

Qty	Description
1	1 x AR8MXMQ Motherboard (Quad-Core CPU) with OS
1	10.1" Touch Panel, 1 x Wi-Fi Module, 2 x Antennas
1	1 x 12V Power Supply
1	1 x USB to TTL Cable
1	1 x USB Type C to Type A Cable

Ordering Info

AR8MXMQ-DEV-LX AR8MXMQ development kit with Linux OS

AR8MXMQ-DEV-AN AR8MXMQ development kit with Android OS

* All product specifications and images are subject to change without notice. Last update: 2021/02/03