



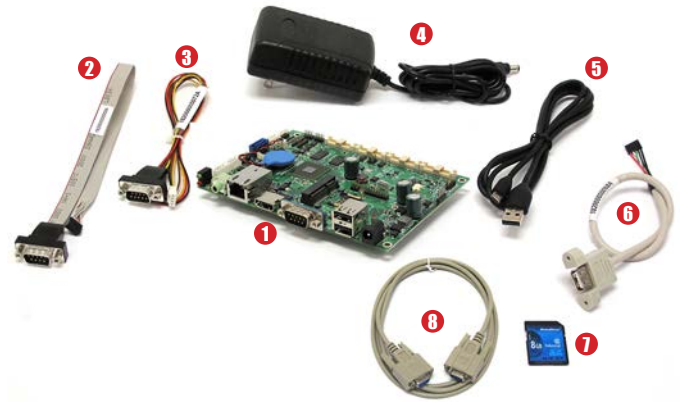
# AR6MXQ-DEV

NXP i.MX6 ARM Cortex A9 Quad Core Development Kit



## Features

- NXP i.MX6 Quad Core ARM Motherboard
- 1 GB onboard DDR3 Memory, 4 GB eMMC onboard
- Dual Display: 1 x HDMI, 2 x 18/24-bits LVDS
- 1 x MIPI-CSI, 1 x MIPI-DSI
- 4 x USB
- SD Card Slot (Bootable)
- 12V Power Adaptor
- Resistive touch controller onboard
- Kit includes a null-modem serial cable, a type 6 SD card preloaded with Android or Linux OS



ARM Development Kit

## Specifications

### System

CPU	NXP i.MX6 Cortex A9 Quad Core 1.0 GHz
System Memory	1 GB onboard DDR3 Memory
Touch Screen Interface	Resistive Touch Controller Onboard
Storage	4 GB eMMC onboard
Blue Tooth & WiFi	Optional Through Mini-PCIe Module
Audio	Wolfson® WM8960 Ultra Low Power Audio Codec
Ethernet	Micrel® KSZ9031 Gigabit Ethernet
Expansion	1 x SD Card Slot, 1 x Mini PCIe

### OS Support

Android	Ver. 4.0.4
Linux	Kernel Version 3.0.35_4.1.0, Ubuntu 12.04

### Rear Panel I/O

Audio Interface	1 x Line-Out
USB	2 x USB Connectors
COM (Serial)	1 x RS-232
HDMI	1 x HDMI Connector
LAN	1 x RJ-45 Connector
DC-in	1 x Barrel Type Connector

### Onboard I/O

LVDS	2 x LVDS Header
Image Capture	1 x MIPI-CSI Connector, 1 x MIPI-DSI Connector
USB	1 x USB Headers (2 Ports)
COM (Serial)	1 x RS-232 and 1 x TTL
MIO	1 x Front Panel, 1 x SATA and 1 x SATA Power Connector

### Mechanical & Environment

Power Requirement	9V ~ 24V DC Input
Operating Temp.	0 ~ 50°C
Storage Temp.	-20 ~ 80°C
Operating Humidity	5%~90% Relative Humidity, Non-condensing
Dimensions	5.7" x 4"
Weight	0.44lbs

### Development Kit Includes

Qty	Description
1	AR6MXQ ARM Board with Pre-load Android or Linux Image
1	DB9 cable for COM2 (RS-232, 10P to DB9 female)
1	DB9 cable for COM3 (RS-485, JST 4P to DB9 female)
1	12V / 3A Power Adaptor w/ DC Jack
1	USB OTG Cable, Type A male to Micro male
1	USB Cable for USB3 or USB4 (5P to Type A female)
1	8 GB SD Card MLC Cell Industrial Grade
1	Null-modem Serial Cable

## Ordering Info

AR6MXQ-DEV-LX AR6MXQ Quad Core ARM Motherboard with Linux OS  
 AR6MXQ-DEV-AN AR6MXQ Quad Core ARM Motherboard with Android OS

