



## Standard Module

The AM iMX6-01 module provides a proven functional unit for inclusion in OEM products. By embedding the AM iMX6-01, the parent system can utilise the full functionality of the board. Supplied with on-board Linux operating system, the board supports rapid product development, or alternatively the cost effective unit provides an efficient and commercially attractive product solution. The on-board feature set leads to a powerful embedded module to meet demanding applications.

The AM iMX6-01 includes I/O for video processing and streaming (over Ethernet, WiFi or modem) and has 2 on-board CAN interfaces for connection to industrial networks or for vehicle integration. All components are extended temperature rated, and the unit is targeted for industrial use and suited to harsh environments.

## Custom Embedded Module

For production volumes, the AM iMX6-01 card can be fully customised to meet application requirements. Products can offer higher or lower levels of feature integration, with OS drivers developed to provide a complete system solution. Each customised derivative is a COTS card, with the same warranty and support as the existing standard range.

Contact A&M to discuss the customisation service.

## Module Specification

Based on Freescale i.MX6Q Quad core processor running at up to 1GHz

Dimensions 110mm x 110mm (excluding connectors)

2x Composite video input

Mipi CSI2 interface

JTAG connector

HDMI out

2x CAN ports

1GB DDR3 memory

4GB-32GB eMMC Drive

Micro-SD Card

1x 10/100/1000 Ethernet Port

2x USB2.0 Host Ports

1 x USB2.0 OTG

24 bit RGB capacitive touchscreen LCD connector

1x serial port

mPCIe connector

SATA interface

Stereo audio in/out

Expansion connector

Linux OS

Poky/Yocto tool chain