Module Specification

- Based on Freescale LS1021A processor
- Dimensions 90mm x 150mm (excluding connectors)
- 1GB DDR3 memory
- 1GB QSPI memory
- 2GB NAND Flash
- Micro SD card slot
- Dual 10/100/1000 Copper Ethernet ports
- Single Fibre Ethernet port
- Dual USB3
- Serial to USB console port
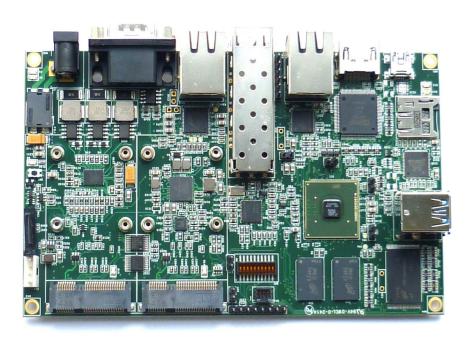- Dual mPCIe connectors
- SATA3 connector
- JTAG
- Linux OS
- Poky/Yocto tool chain

Standard Module

The AMLS1021-01 module provides a proven functional unit for inclusion in OEM products. By embedding the AMLS1021-01, the parent system can utilise the full functionality of the module. Supplied with on-board Linux operating system, the module 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 AMLS1021-01 includes multiple ethernet ports for effective network processing and has an on-board CAN interface for connection to industrial networks or for vehicle integration. An HDMI interface is also included to provide visual information output. 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 AMLS1021-01 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.