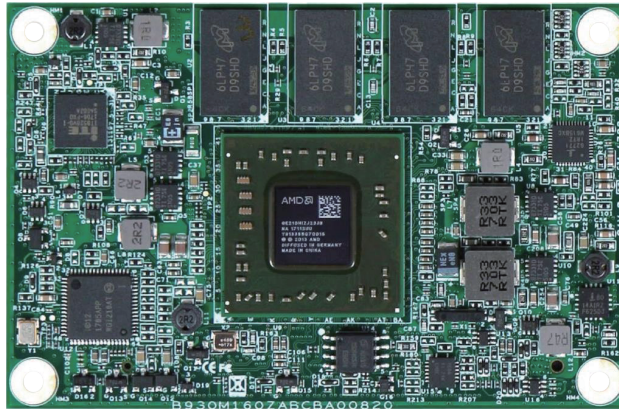# MEDM-MBA0

AMD G-Series SoC Type 10 Com Express Module board

MEDM-MBA0 is designed with AMD Quad core G-Series SoC solution and Mini Com express type 10 form factor which is specifically designed for customers who need high-level processing and graphics performance with low power consumption in a long product life solution.

FEATURES

- COM Express type 10, basic form factor
- SoC Solution with high performance processor and advanced multimedia and display features
- AMD Radeon™ HD 10000 graphics
- LPDDR3 SDRAM 4GB memory on board
- 1x Gen3 PCIe x8, 3x Gen2 PCIe x1
- Support Triple display

Form Factor

Form Factor	COM Express Type 10 Module
Power Input Type	Type 10 Pin out with DC Input

General

Processor	- AMD G-Series FP3 APU TDP: - LX-210 (GX-210KL), 2CU, 1GHz, 4.5W
BIOS	- AMI BIOS, UEFI Architecture - One SPI ROM supported for BIOS F/W and BIOS default setting separated - Main BIOS chip support H/W write protect jumper or resistor BOM option
System Memory	- LPDDR3 SDRAM 4GB memory on board - Support DDR3-1666 Maximum Speed
Storage Device	SATAIII
Expansion Interface	-1x PCIe x8 Interface from SoC chip -3x PCIe x1 Interface from SoC chip

I/O Interface

Audio	High Definition Audio Interface
Ethernet	1x Gigabit LAN
USB	- 8x USB 2.0 - 2x USB 3.0

Display

Display Interface	- 1x LVDS - 1x DP

Mechanical& Environmental

Dimension	84 (L) x 55 (W) x 2.0 (Est.) mm
Environment	- Operating temperature: 0°C ~ 60°C with passive cooling - Storage Temperature: -40°C ~ 85°C - Operation Humidity: 5% ~ 95%, non-condensing - RoHS compliant
EMI Certification	CE, FCC Class B