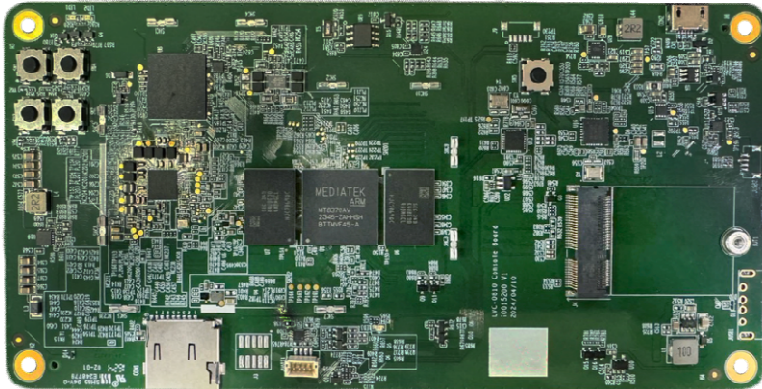


LVB-8370-PI



AI Powered MTK 8370 ARM System Board



Features:

- Purpose built for 7"-15.6" panel PC
- Supports MT 8370, one system with high and low computing options
- 2.8 TOPS AI engine
- Type-C interface, widely adapts to IO design requirements
- Hardware monitoring adapting cloud management

Specification

Computing System

Operating System	Android 13 / Ubuntu 22.04 LTS / Yocto
CPU	MediaTek MT8370 Hexa-core CPU <ul style="list-style-type: none">• Dual-core super cores: ARM Cortex-A78• Quad-core efficiency cores: ARM Cortex-A55 Embedded powerful multi-core AI processors for edge AI applications <ul style="list-style-type: none">• Up to 2.8 TOPS• Deep Learning Accelerator (DLA) + VP6• NeuroPilot SDK• INT8, INT16 + FP16 capable
GPU	Integrated Mali-G57 GPU <ul style="list-style-type: none">• Video decoding up to 4K 75fps• Dual decoding up to one 4K and one 2K• Video encoding up to 4K 30fps with HEVC• Support AV1/H.265/H.264 CODEC• Support OpenGL/CL/Vulkan
Memory	On-board 4GB LPDDR4X system memory (Up to 8GB)
Storage	On-board 32GB eMMC storage (Up to 64GB)
Storage Slot	MicroSD 3.0 (SDXC) slot x1
PMIC	MediaTek MT6365 PMIC
RTC	Built-in Real Time Clock (RTC)

I/Os	
M.2 Socket	M.2 socket, Key E x1 <ul style="list-style-type: none">• Supports Wi-Fi/Bluetooth module (optional)• Supports M.2 Wireless/Cellular module (optional)
Display Interface	MIPI DSI: <ul style="list-style-type: none">■ Supported Sizes: 5.5", 7", 8", 10.1"■ Resolution: 1280x800 & 1280x720 eDP: <ul style="list-style-type: none">■ Supported Size: 15.6"■ Resolution: 1920x1080■ Remark: Project Based
OTG	Micro USB x1
Connectors	8-pin Wafer Connector for (12V@2A) Power Input x1 10-pin Wafer Connector for I2C & Control pin connection x1 50-pin Coaxial Cable Connector for MIPI/HDMI/USB interface connection x1
Environmental	
Operating Temperature Range	0°C ~ 60°C
Operating Humidity Range	20% ~ 80% RH non-condensing
Storage Temperature Range	-40°C ~ 85°C
Storage Humidity Range	20% ~ 80% RH non-condensing
Dimensions	
Dimensions	155 x 79 x 12 mm