

LBD3399多功能行业应用板

产品名称	LBD3399多功能行业应用板
公司名称	上海临滴科技有限公司
价格	.00/个
规格参数	
公司地址	中国（上海）自由贸易试验区临港新片区环湖西一路99号16号楼A201-60室（注册地址）
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产品详情

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LBD3399

产品概述

LBD3399是基于瑞芯微RK3399芯片平台精心设计的一款多功能行业应用板，其由我司的LCB3399核心模块与底板组成。核心模块与底板采用B2B连接器的方式连接，并通过4颗M2的螺丝固定，稳定可靠。整板功能多样，接口丰富，尺寸小巧，轻薄平整，适用于结构空间受限的产品。

产品参数

Function

Description

CPU

RK3399, 28 nm HKMG, Big cluster with dual-coreCortex-A72 + little cluster with quad-core Cortex-A53

GPU

Mali- T860 MP4 , OpenGL ES1.1/2.0/3.0/3.1/3.2, OpenCL1.2, DirectX11.1

NPU(Optional)

1920 Int8 MAC operations per cycle; 64 FP16 MAC operations per cycle; 192 Int16 MAC operations per cycle

VPU

4K VP9 and 4K H265 up to 60fps video decoding

1080P@60fps multi-format video decoding (MVC, mpeg-1/2/4, VC-1)

1080P video encoding, with h.264, MVC and VP8 format supported

Video anti-cross, de-noising, edge/detail/color optimization supported

DDR

LPDDR3 , 2GB/4GB(Optional)

eMMC

eMMC 5.1 , 8GB/16GB/32GB/64GB/128GB(Optional)

PMU

RK808

Net work

10/100/1000Mbps Ethernet (Realtek RTL8211E)

Wi-Fi 2.4GHz/5GHz,802.11a/b/g/n/ac,up to 433 Mbps (AP6256)

BT V5.0 with BLE supported

2G/3G/4G LTE module supported (optional)

Storage

MicroSD (TF) Card Compatible with SDIO3.0

OS

Android / Ubuntu / Buildroot

PCB size

L* W (mm) : 140 * 100 (PCB 1.6mm)

Screw size

3.6mm

Hardware Interface

Power

DC12V - 2A (DC Jack 5.5*2.1mm / PH2.0 wafer connector)

USB

4*Type-A USB3.0 HOST + 2*4Pin PH2.0 USB2.0 HOST connector

Display

Type-A HDMI 2.0 up to 4K@60HZ

MIPI-DSI up to 1080P@60HZ

eDP1.1 20Pin PH2.0 up to 4Kx2K @ 30fps

2x Dual channel LVDS up to 1080P@60HZ

Audio

3.5mm earphone Jack with L/R audio out and Mic in

1x analog microphone

1x HDMI audio out

2x 3W/4 speaker out with L/R channel

Camera

2x MIPI-CSI interface with ISP built-in

2x AHD cameras with any resolution of Analog HD and SD Video, up to 1080p25/30

PCIe

mini PCIe for 2G/3G/4G LTE module

RK1808 AI computing card

M.2

M.2 NGFF (M-KEY) PCIE V2.1 x4 with NVMe SSD supported

SD card

Compatible with SDIO 3.0 protocol, system boot up supported

SIM card

Micro sim slot for Mini-PCIe 4G LTE module

RJ-45

10/100/1000-Mbps data transfer rates

RTC

2Pin GH1.25 connector, RTC power on and off supported

Serial port

2x Uart, 2x RS232, 1x RS485

Keys

3x keys (power, reset, update)

Power output

12V, 5V, 3.3V

Others

2x ADC, 2x I2C(CTP supported), 1x SPI, 8x GPIO