

MOSM-R400

OSM-L Evaluation Kit



Features

- OSM-L evaluation board
- OSM LGA to Mini-ITX carrier board
- Legacy I/O and high-speed interface implemented
- Rich I/O & expansion board support

Specifications

General	OSM Standard v1.1	Support OSM Size-L SoC module
	Power Input	Standard Input : 15V-30V
I/O Interface	Display	2x eDP to display expansion board (Support DP or HDMI or eDP) 1xRGB to DF13 connector 2 channel LVDS (18/24 bit) 1x DSI to HDMI 1x CSI
	USB	1x micro USB 2.0 (support OTG) 1x USB 2.0 2x USB 3.0
	Storage	M.2 Key-M 1xMicroSD connector
	Ethernet	1x SGMII with TSN 4x GbE Lan RGMII (for ARM only)
	GPIO	5x GPIO group (8 bit per group)
	I2C	2x I ² C
	UART	1x UART to USB (console) 3x UART to header 1x UART to M.2 Key-E
	PCIe	1x PCIe x1 to M.2 key-E 2242, 1x PCIe x1 to M.2 Key-M 2280, 1x PCIe x4 to M.2 Key-M(2280 support mSATA), 1x PCIe x4 slot
	Audio	1 x I2S(HDA) to header 1 x I2S(HDA) to M.2 Key-E

Specifications

I/O Interface	Expansion	2x M.2 Key-M 2280 1x M.2 Key-E 2242 1x SPI to Flash Socket 1x SPI to Header 1x mikro bus (UART, SPI). 2x CAN to header, 4xPWM to header, 1x JTAG to header, 2x ADC to header
	Storage Temperature	-40°C to 85°C
Environmental	Operating Temperature	0°C to 70°C
	Relative Humidity	5 % to 95 % RH (non-condensing)
Mechanical	Form Factor	OSM to mini ITX
	Dimension	170 mm (L) x 170 mm (W)

Block Diagram

