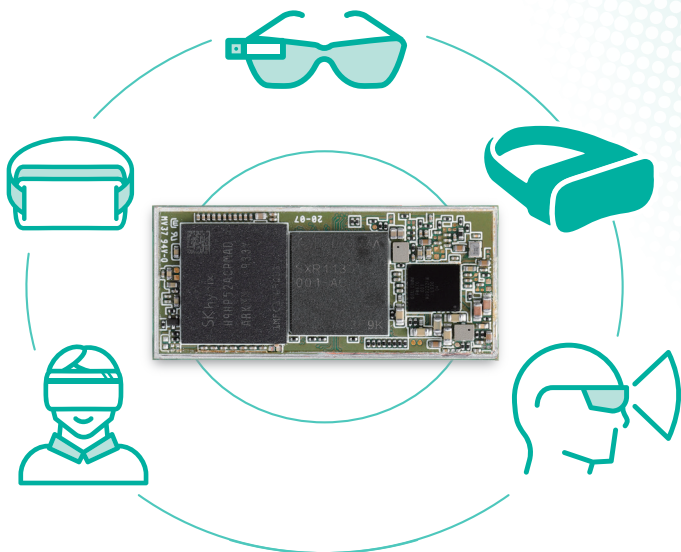


## ◆ APPLICATION



# XR1 SOM

Designed to be the engine inside next-gen AR/VR products

## AR/VR Applications Powered by Qualcomm® XR1 Snapdragon™ Platform

Jorjin capitalized on the unique capabilities of Qualcomm® powerful XR1 Snapdragon™ Platform to conceive the XR1 SOM, a complete System-on-Module aiming to be seamlessly integrated at the core of the new generation of sleek AR/VR products.

## ◆ SPECIFICATION

Items		XR1 SOM
Platform	Application Processor	Qualcomm® Snapdragon™ SXR1130 -Two high-performance Kryo Gold cores up to 2.5 GHz -Six low-power Kryo Silver cores up to 1.7 GHz
	Graphics Processing unit	Adreno 615
	Video Encode / Decode	Encode: 4K30 HEVC/H.264 + 1080P60, 10-bit Color depth for HDR Decode: 4K60 10-bit: HEVC/VP9, HDR10
	DSP	Qualcomm® Hexagon™ DSP with dual Hexagon Vector eXtensions, (dual-HVX512) 1.2GHz for Machine Learning
	RAM/Storage	eMCP (4GB LPDDR / 64GB eMMC)
	PMIC	PM670 + PM670L
	Audio CODEC	SLIMbus interface (Implemented on HDK with Qualcomm® WCD9341 Audio Codec)
	OS Support	Android 8.1 / OS and apps OTA upgradeable
Interface	Display/OE	MIPI DSI x2 (4-lanes, up to 2560 x1600 10 bit @ 60 fps)
	Camera	MIPI CSI-3 (4-lanes)
	USB	USB 3.1 x1 (supports type-C with Display port)
	SD	SD 3.0 x1
	LPI Ports	10 x Multiplexed Serial Interfaces (UART x3 / SLIMBus x2 / SPI x4 / I2C x1)
	QUP Ports	Qualcomm® Universal Peripheral ports x8 (UART x1 / I2C x3 / I2S x1/ SPI x3)
	GPIO	16
Environment	JTAG	1
	Input Power	DC +4.2V / 3A input
	Dimensions	SiP Module / 17x38x4.03 mm