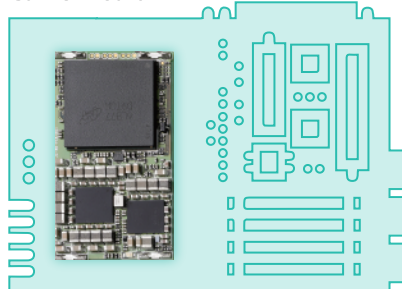


## ◆ APPLICATION

Carrier Board



Customization for Specific I/O



Edge Computer



Deep Learning



Smart Factory



Gaming Machine



Machine Learning



Smart Medical

# SD820 SOM

## Designed for Light-duty Edge Computing Devices

### Embedded Applications Powered by Qualcomm Snapdragon

Jorjin uses the SD820 SOM as its core to achieve various embedded applications by customizing the carrier board and form factor for specific industrial requirements.

## ◆ SPECIFICATION

Items		SD820
Platform	Form Factor	BTB Connector Type
	CPU	Snapdragon™ 820 (APQ8096) Qualcomm® Kryo™ CPU, Quad-Core, 64-bit, 2.2GHz Qualcomm® Adreno™ 530 GPU Qualcomm® Hexagon™ 680 DSP Qualcomm® Spectra™ ISP
	PMIC	Qualcomm PM8996/PMI8996
	Memory	3GB LPDDR4, 1866MHz, Supports up to 4G
	Storage	32GB UFS 2.0, Supports up to 64G
	OS	Android 6.0; up to Android 8.1 in Q3 2019
	Interface	PCIe
Display		MIPI DSI, four-lane x 2 DPHY 1.1 at 2.1Gbps HDMI 2.0 x 1 or Miracast
Camera		MIPI CSI, four-lane x 3 up to 8Gbps
Connectivity		BLSP port(UART x 4) BLSP port(I2C x 6) BLSP port(SPI x 1) GPIO x 16 (adjustable) CCI port(I2C x 2) USB2.0 Device x 1 USB3.0 Type C x 1
Sensor Interface		SSC port ( I2C x 2 )
Power	Input	3.6-4.2V DC at Battery input 2A(Min) DC IN Charger 2A(Max) USB IN charger 3A(Max)
	Output	Flash LED light output 1A(Max)