

TURBO X

C2290/CM2290 SOM



CM2290/C2290 SOM 是一款基于高通 QCM2290 平台的系统模块，赋予了入门级设备高价值特性。可支持全天候电池续航、快速LTE连接、增强型摄像头、高级图形等，其封装尺寸为 34mm*35mm (C2290) 和 51mm*35mm (CM2290)，采用 LGA 封装，可安装于行车记录仪、监控摄像头、POS 机、数字标牌、自动售货机等设备，是一款适用于数据速率较高且具有多媒体功能的工业和消费类应用的理想平台，有助于快速开发推出高性价比的蜂窝设备。

应用



行车记录仪



监控摄像头



POS 机

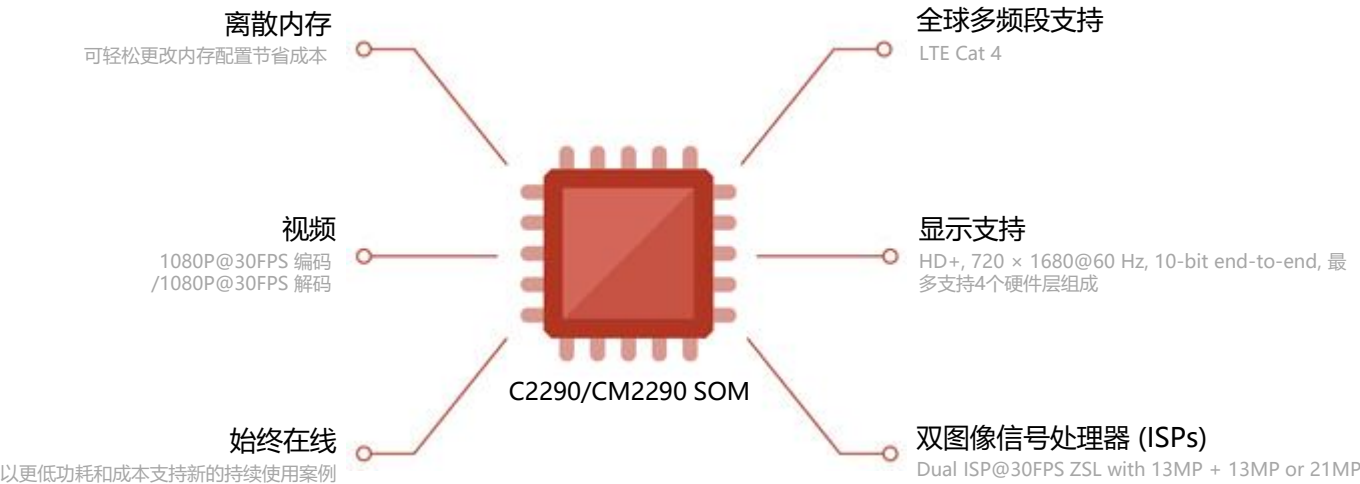


数字标牌



自动售货机

特性



	CM2290-EA	CM2290-NA	C2290
地区/运营商	EMEA, Asia	North America	Global
平台	Qualcomm® QCM2290	Qualcomm® QCM2290	Qualcomm® QCS2290
	Quad-core Arm Cortex-A53, 64-bit, 2.0GHz	Quad-core Arm Cortex-A53, 64-bit, 2.0GHz	Quad-core Arm Cortex-A53, 64-bit, 2.0GHz
	Adreno™ 702 GPU	Adreno™ 702 GPU	Adreno™ 702 GPU
	Hexagon™ QDSP6 v66	Hexagon™ QDSP6 v66	Hexagon™ QDSP6 v66
内存	LPDDR4x 1GB + eMMC 8GB (Linux only)	LPDDR4x 1GB + eMMC 8GB (Linux only)	LPDDR4x 2GB + eMMC 16GB (default)
	LPDDR4x 2GB + eMMC 16GB (default)	LPDDR4x 2GB + eMMC 16GB (default)	LPDDR4x 3GB + eMMC 16GB
	LPDDR4x 3GB + eMMC 16GB	LPDDR4x 3GB + eMMC 16GB	
操作系统	Android 11(R), 13(T), Linux	Android 11(R), 13(T), Linux*	Android 11(R), 13(T)
尺寸与封装	51mm x 35mm x 2.9mm / LGA	51mm x 35mm x 2.9mm / LGA	34mm x 35mm x 2.9mm / LGA
温度	-25°C ~ +75°C	-25°C ~ +75°C	-25°C ~ +75°C
LTE Cat 4	FDD: B1/B2/B3/B5/B7/B8/B20/B28(A+B)	FDD: B2/B4/B5/B7/B12/B13/B14/B17/B25/B26/B66/B71	-
	TDD: B34/B38/B39/B40/B41	TDD: B41	-
WCDMA	B1/B2/B5/B8	-	-
GSM	850/900/1800/1900 MHz	-	-
无线网	802.11a/b/g/n/ac	802.11a/b/g/n/ac	802.11a/b/g/n/ac
蓝牙	BT 5.0	BT 5.0	BT 5.0
全球卫星导航系统	GPS, Glonass, BeiDou, Galileo, QZSS, and SBAS	GPS, Galileo, and SBAS	GPS, Glonass, BeiDou, Galileo, QZSS, and SBAS (Reserve GNSS_IQ to extend support Qualcomm WGR7640)
显示接口	1x MIPI-DSI 4-lane, support HD+(720 × 1680)@60FPS	1x MIPI-DSI 4-lane, support HD+(720 × 1680)@60FPS	1x MIPI-DSI 4-lane, support HD+(720 × 1680)@60FPS
摄像头接口	2x MIPI-CSI, 4 + 4 or 4 +2+1, D-PHY 1.2 at 2.5 Gbps per lane;	2x MIPI-CSI, 4 + 4 or 4 +2+1, D-PHY 1.2 at 2.5 Gbps per lane;	2x MIPI-CSI, 4 + 4 or 4 +2+1, D-PHY 1.2 at 2.5 Gbps per lane;
	2x ISP (13 MP + 13 MP or 21MP) @30 FPS ZSL	2x ISP (13 MP + 13 MP or 21MP) @30 FPS ZSL	2x ISP (13 MP + 13 MP or 21MP) @30 FPS ZSL
视频	Encode: 1080P@30FPS (H.265/H.264)	Encode: 1080P@30FPS (H.265/H.264)	Encode: 1080P@30FPS (H.265/H.264)
	Decode: 1080P@30FPS (H.265/H.264/VP9)	Decode: 1080P@30FPS (H.265/H.264/VP9)	Decode: 1080P@30FPS (H.265/H.264/VP9)
其他接口	1 x USB 2.0 or USB 3.1; 9 x QUP; 1 x SD Card; 2 x UIM; 1x MI2S, 4 x DMIC, 3x AMIC, GPIOs	1 x USB 2.0 or USB 3.1; 9 x QUP; 1 x SD Card; 2 x UIM; 1x MI2S, 4 x DMIC, 3x AMIC, GPIOs	1 x USB 2.0 or USB 3.1; 9 x QUP; 1 x SD Card; 1x MI2S, 4 x DMIC, 3x AMIC, GPIOs
认证	CE/GCF*/JATE*/TELEC*/KC*	FCC/IC/PTCRB	FCC*/CE*/IC*/JATE*/TELEC*/KC*
其他认证	RoHS/REACH/WEEE/HF	RoHS/REACH/WEEE/HF/TSCA	RoHS/REACH/WEEE/HF

* 计划中或进行中

