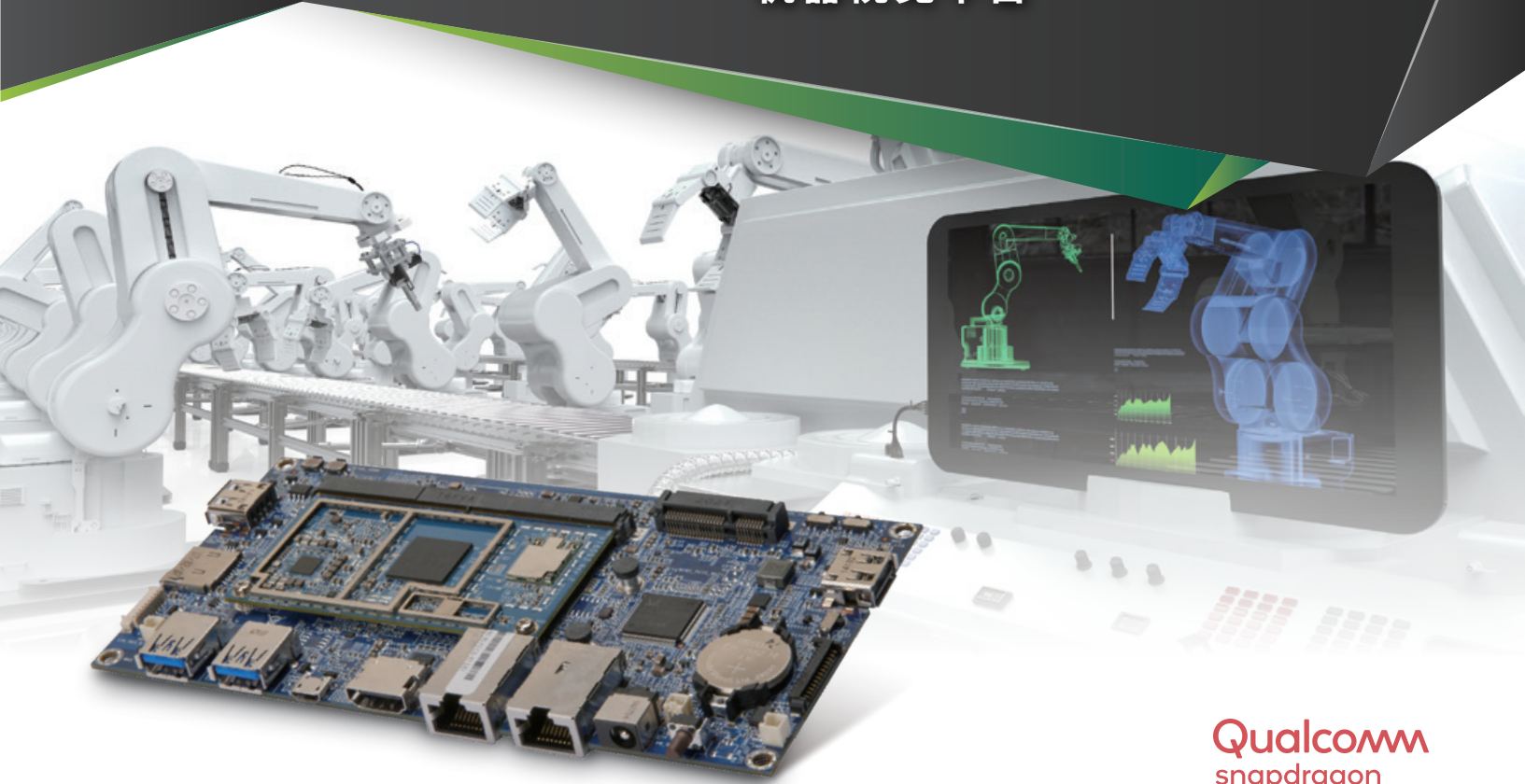




威盛 SOM-9X20

机器视觉平台



Qualcomm
snapdragon

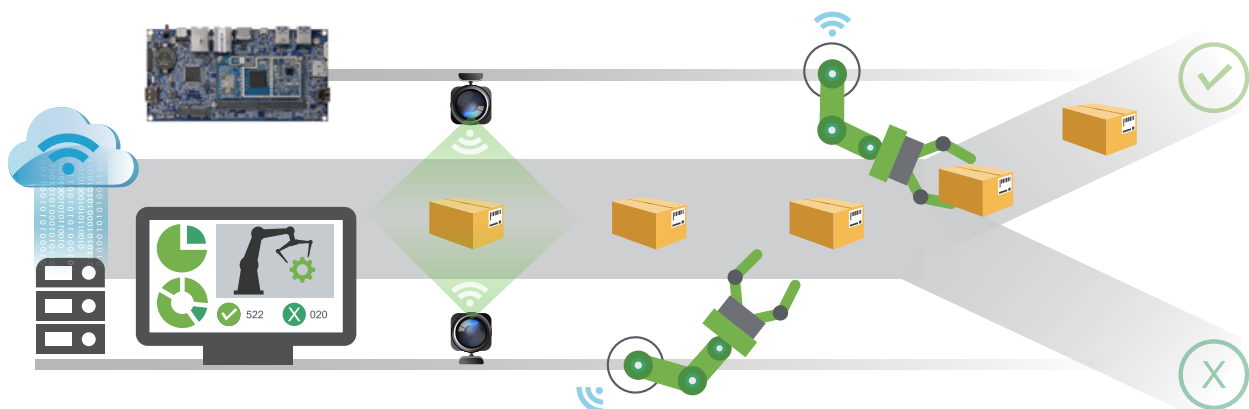
产品通过威盛SOM-9X20机器视觉平台的检测，有助于提高所有组件、子组件的生产质量和产量。这款高度集成的视觉平台搭载Qualcomm® Snapdragon™ 820E嵌入式平台，采用快如闪电的图形显卡、视频及计算性能，支持多达8个摄像头，拥有丰富的I/O接口和无线连接选择。可选Android 8.0或Linux软件开发包，进一步扩展客制化选择，便于与现有的产品管理及控制系统集成。

- ◆ 搭载 Qualcomm® Snapdragon™ 820E 嵌入式平台
- ◆ 可选威盛SOMDB2多I/O载板
- ◆ 支持Wi-Fi 802.11a/b/g/n/ac、蓝牙4.1及GPS模块
- ◆ 支持多达8个摄像头
- ◆ 提供Android 8.0或Linux软件开发包

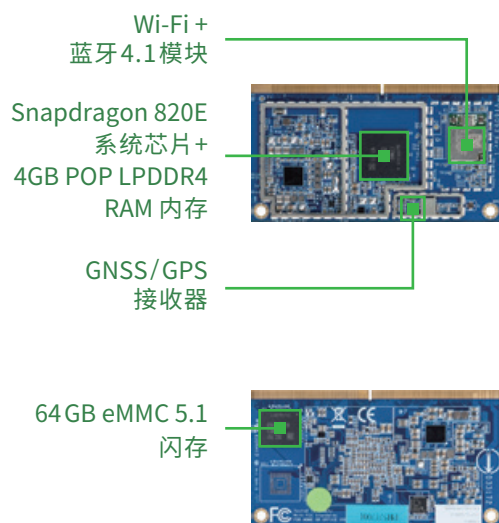
FOGHORN

Microsoft
Azure

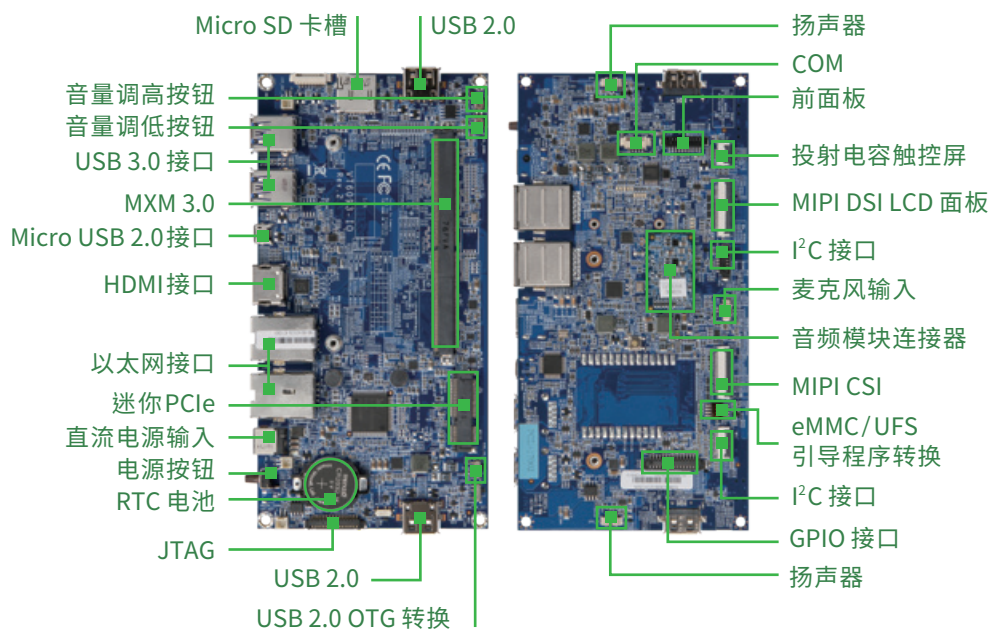
Certified



威盛 SOM-9X20 模块



威盛 SOMDB2



威盛 SOM-9X20 规格

处理器	Qualcomm® Snapdragon™ 820E Embedded Platform – Two high-performance Kryo cores up to 2.15GHz – Two low power Kryo cores up to 1.593GHz
系统内存	4GB POP LPDDR4 RAM
存储	64GB eMMC 5.1/UFS 2.0 Flash Memory
显卡	Qualcomm Adreno 530 GPU 3D graphics accelerator with 64-bit addressing 624MHz Graphics engine supporting OpenGL ES 3.1/GEP, GL4.4, DX11.3/4, OpenCL 2.0, Renderscript-Next Supports H.264, VP8, HEVC 8/10-bit, VP9 video decoding up to: 4K@60fps, 1080p@240fps, 8 x 1080p@30fps
可靠的平台模块	TPM1.2 : ST33TPM12I2C
无线连接	NFA324A-12H32 QCA6174A-1 Wi-Fi 802.11a/b/g/n/ac + BT 4.1 combo LGA module with 2 antenna connectors Qualcomm WGR7640 GPS/GNSS RF receiver with antenna connector
HDMI 接口	Integrated HDMI 2.0 Transmitter
通过MXM 3.0 连接器支持I/O接口	1 HDMI 2.0 port 2 MIPI DSI 4-Lane connectors 3 MIPI CSI 4-Lane connectors 1 USB 3.0 OTG 1 USB 2.0 host 1 SDIO 2 PCM/MI2S Multi-function pins for UART, I ² C, SPI, GPIO 1 JTAG 2 PCIe 2.0 (1-Lane)
操作系统	Android 8.0, Linux kernel 3.18.44
工作温度	-20°C ~ 70°C
工作湿度	0% ~ 95% (non-condensing)
板型	8.2cm x 4.5cm (3.23" x 1.77")