SBC-POS

ARM Cortex™-A9 Computer for POS Applications

Board labels: mPCI-e, WiFi/BT, Cash Drawer, SPK, SPK, CTP, 4w RTP, 5w RTP, 2-ch LVDS, RS485, RS232, bcklite, I²C, LAN, SATA, RS232, RS232, USB, USB Host, OTG, microSD, console, DC-IN, 215 mm, 90 mm, PWR-OUT, DC-IN
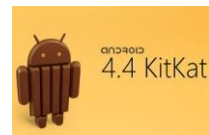
Product Features:

- **High-performance and low power ARM Cortex-A9 quad-core single board computer for POS applications**
- **Dual channel LVDS to drive up to 1920x1080 LCD**
- **I²C master port for external peripheral expansion**
- **4x RS232 port with power pin**
- **1x RS485 port (can be configured to RS232)**
- **7x USB 2.0 host ports**
- **Multiple touch screen interfaces (capacitive, 4-wire resistive, 5-wire resistive)**
- **24V power input**
- **Quad-band (3G) module (optional)**
- **WiFi and Bluetooth BLE module (optional)**
- **Dimension: 215mm x 90mm x 21mm**

Linux · yocto PROJECT · android 4.4 KitKat · CE · FC

SBC-POS Typical Applications

- ☐ **POS**
- ☐ **KIOSKs**
- ☐ **Thin Client**
- ☐ **Data logger**
- ☐ **Industrial Equipment**

SBC-POS Specifications

CPU	Freescale iMX6 Quad / DualLite ARM Cortex™-A9 @ 1GHz	**Storage**	1 × microSD card slot
			1 × SATA 2Gb/s (Quad-core only)
RAM	1GB DDR3 (Dual-core)	**I/O Interfaces**	1x miniPCI-e connector (for 3G module)
NAND Flash	4GB flash (eMMC)		1 × USB2.0 OTG port (Mini-B connector)
Touch Screen Interface	1 × capacitive touch screen connector		3 × RS-232 port (DB9 or pin header) 1 × RS-485 port (DB9 connector) 1 × console port (pin header)
	1 × 4-wire resistive touch connector		
	1 × 5-wire resistive touch connector		5 × USB 2.0 host ports (pin header) 2 × USB 2.0 host ports (type A connectors)
Touch Interface	1 × LVDS connector (2-channel)		1 × I^{2}C master port
			1 × Cash Drawer port (RJ-11)
Audio Interface	1 × mic , 1 × headphone, 1 x Line-in	**Power Input**	DC +24 V / 1.5A
	2 × (L/R) speaker connector	**Dimension**	215 mm × 90 mm × 21 mm
Network	1 × 10/100 /1Gb Ethernet (RJ-45)	**Weight**	Approx. 153g
OS supported	Android 4.2 / 4.4	**Environment**	Operating temperature: -20ºC to +70ºC

SBC-POS Ordering Information

Part No.	OS	CPU	Common Specifications
SBC-POS-QA	Android	iMX6Q Quad	1GB RAM / 4GB NAND Flash Touch screen interfaces(resistive/capacitive) LVDS, Audio / MicroSD / SATA LAN / USB host / USB OTG RS232 / RS485
SBC-POS-LA	Android	iMX6DL DualLite	

(** Note: Not all models are available now. Contact our sales representative for more details.)

SBC-POS Optional Products:

Part No.	Description
PWR-002	+24V @ 1.5A DC power adapter
CAB-001	(2x4-pin-to-DB9) RS232 cable for console port
WLS-006	(BL-8723 WiFi + BT) + Antenna (8cm/2dBi, SMA plug reverse)
WCDMA-002	Quad Band 3G (WCDMA) module (w GPS) + 3G Antenna