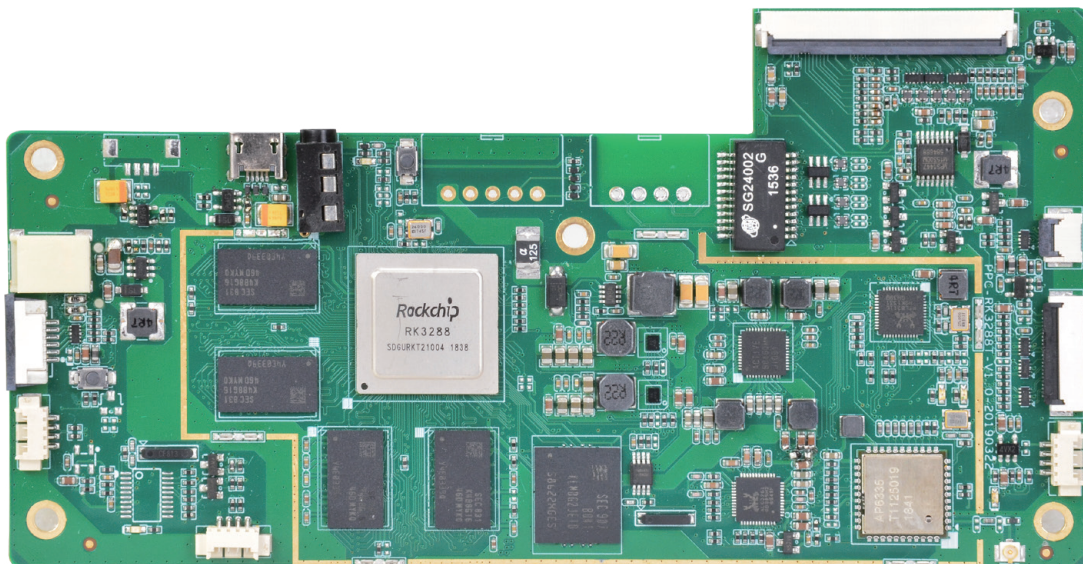




## Embedded Motherboard based on RK3288 Quad Core CPU

### Features:

- Onboard with Rockchip RK3288 Cortex-A17 Quad Core CPU
- Onboard 2GB DDR3 RAM (up to 4GB )
- Onboard 8GB eMMC (default, 16G, 32G optional)
- 2 x RS232 and 1 x RS485
- 1 x USB OTG, 2 x USB2.0
- 1 x 8bit LVDS, 1 x LAN, 1 x TTL UART
- 1 x ambient light sensor
- Support wifi/BT4.0
- Support Android 7.1, Linux Debian 9



## Board Description:

The EMB-RK3288-CJ is a customized motherboard for applying onto the 8.8 inch industrial panel pc which can work in industrial environment under different applications. It is onboard with RK3288 Cortex-A17 Quad Core CPU, 2G DDR3 Ram and 8G eMMC. The onboard sockets support extension to 2 x RS232, 1 x RS485, 2 x USB2.0, 1 x USB OTG and 1 x UART.

## Specification:

<b>CPU</b>	Rockchip RK3288 ARM Cortex-A17 Quad Core CPU, Mali-T764 GPU core
<b>DDR3</b>	Onboard DDR3 2GB (up to 4GB)
<b>Flash</b>	8GB(Default)/16G/32G optional
<b>GPU</b>	ARM Mali-T764 GPU core
<b>LVDS</b>	1 x Single 8bit LVDS
<b>USB</b>	1 x USB OTG, 2 x USB2.0
<b>Serial</b>	2 x RS232, 1 x RS485
<b>UART</b>	1 x DEBUG TTL UART
<b>Sensor</b>	1 x ambient Light sensor
<b>MIPI IN</b>	1 x 2Lane MIPI CSI
<b>Audio</b>	1 x L/R Headphone out
<b>LAN</b>	1 x 10/100Mbps LAN
<b>WIFI</b>	2.4GHz/5GHz, support IEEE 802.11b/g/n/ac
<b>BT</b>	BT4.0, FHSS/GFSK/DPSK/DQPSK
<b>RTC</b>	1 x RTC Power IN
<b>Power IN</b>	12V/2A
<b>OS</b>	Android 7.1, Linux Debian 9
<b>Size</b>	145mm*76mm*9.6mm

## Applied in:

### 8.8 Inch RK3288 Panel PC (PPC-RK3288-881):



#### ABOUT POLYHEX

As a board level and system level designer and manufacturer, Polyhex, with 9 years' experience, always delivers best-in-class embedded computing solutions based on both ARM and X86 architecture, including hardware customization and software debugging etc. Partnered with silicon vendors like Intel, NXP, ST, Rockchip, Allwinners and so on, we have earned trust from clients worldwide in over 30 countries. Polyhex is also certified with ISO9001 and ISO13485 for the self-owned manufacture facility.

