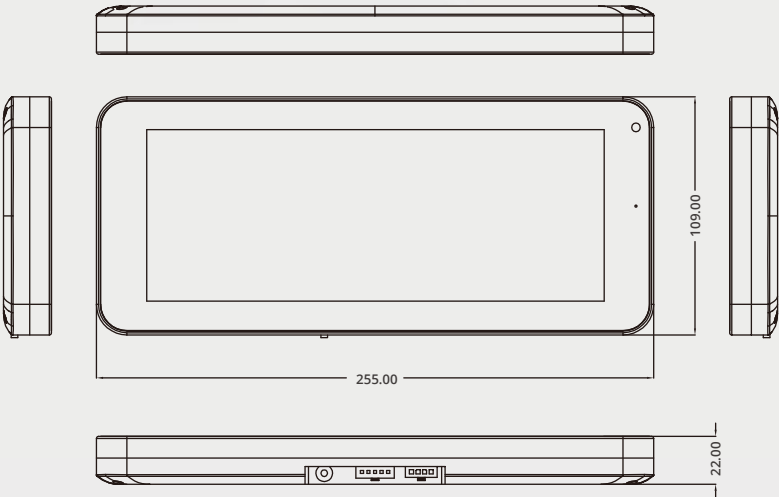**POLYHEX**

8.8" RK3288 based Fanless Panel PC with Touch Screen

· RK3288 ARM Cortex-A17 Quad Core CPU

· Onboard DDR3 1066MHz 4GB memory and 32GB NAND flash (default)

· Multi-point capacitive touch panel

· High luminance of 500 nits

· Low power consumption, fanless design

· Support Android 5.1, Android 7.1 (optional) and Debian 9 (optional)

Structural Diagram

109.00

255.00

22.00

RK3288
Mali-T764
Cortex-A17

CE FC RoHS 2002/95/EC CCC

Ordering Information

Part Number	CPU	RAM	Storage	Display	LAN	Cables	Operating Temp
PPC-RK3288-0802	RockChip RK3288 1.8GHz	4G DDR3	32GB NAND Flash	LVDS	1	Molex 43645-0410 Ethernet cable Molex 43645-0510 power and audio cable	-25~70℃

Introduction

The PPC-RK3288-0802 panel PC utilizes the Quad-Core Rockchip RK3288 processor, onboard 4G RAM and 32G Flash, making it energy efficient while strong enough for offering multimedia-capable power. The PPC-RK3288-0802 features a bright and beauti-ful, industrial grade LED back-lit panel with luminance to 500 nits. This eye-catching display offers a narrow, capacitive touch-screen panel that can be used with ease while operating in multiple industrial applications. Featuring a slim and durable alumi-num chassis with an IP65-rated front bezel, the PPC-RK3288-0802 is sleek enough for customer-facing applications, yet rugged enough for vehicles.

Technical Specifications

System	
Processor	RockChip RK3288 1.8GHz
Memory	Onboard 4GB DDR3 RAM
Storage	Onboard 32GB NAND Flash
Graphic	ARM Mali-T764 GPU core
OS support	Android 5.1, Android 7.1 (optional) and Debian 9 (optional)
Display & Touch Panel	
Screen Size	8.8 Inch
Screen Type	8:3
Display Resolution	1280 x 480 pixels
Display Color	RGB-stripe
Luminance	500 nits
Contrast Ratio	1000:1
Backlight	WLED
Touch Panel	Multi touch Capacitive Panel
I/O Interfaces	
Ethernet	1 x RJ45, RTL8211E GbE Molex 43650-0400 4pin
LCD Interface	LVDS
USB	1 x OTG
Camera	5M MIPI Camara
Audio	Line-out 3.5mm and Molex 43650-0500
Ambient Light Sensor	BH1751FVI
Connector	Molex 43650-0500 5pin (for power & audio)
	Molex 43650-0400 4pin (for Ethernet)
Power Supply	
Power	DC 12V Molex 43650-0500 5 pin
Mechanical	
Front Bezel	Aluminum
Back Chassis	Aluminum
Cooling System	Fanless design
Dimension	255(L) x 109(W) x 22(H)mm
Gross Weight	2.5kg
Environment	
Operating Temperature	-25ºC~70ºC (14ºF~122ºF)

ABOUT POLYHEX

As a board level and system level designer and manufacturer, Polyhex, with 9-year 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, Allwinner 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.

POLYHEX
Beyond the Embedded Deployment