



## Features:

- Rockchip RK3568 processor
- Industrial display, capacitive touch screen
- Ultra-thin mini body design
- Onboard 4GB DDR4+16GB EMMC
- 2\*USB 3.0, 2\*USB2.0, 1\* 1000M network interface
- 1\* HDMI, 1\*TF card slot, 2\*RS232
- 9-36V wide voltage input
- fanless design

## Overview:

**TY101-GS9R5A** is a low power consumption, high reliability, fanless, metal casing industrial product.

This product has onboard RK3568 SOC Quad Cortex A55 quad-core 2.0GHz processor, onboard 4GB DDR4 memory, 16GB EMMC, the whole machine has rich I/O interfaces, adopts airtight fanless, Slim design. The protection level of the panel of the whole machine can reach IP65, and it is equipped with the ubuntu20.04 operating system.

This product is suitable for rubber machinery, solar photovoltaic, vehicle control and general industrial automation (such as paper making, environmental protection, etc.) industries.

## Specification:

### System Specifications

processor	Rockchip RK 3568	Memory	Onboard 4GB DDE4
watchdog	/	storage	Onboard EMMC 16GB, optional 32GB, 64GB

### Display

display screen	10.1" LCD	brightness	350 cd/ m <sup>2</sup>
resolution	1280*800 ( Optional 1920*1200 )	contrast	8 00: 1

### touch screen

touch screen type	10.1" capacitive touch screen	hardness	6H
Transmittance	>85%		

### operating system

operating system	Ubuntu20.04
------------------	-------------

## I/O interface

USB	2 *USB3.0, 2*USB2.0	show	1*HDMI
Network port	1 *1000M network interface	TF card	1*TF
audio	3.5mm audio jack ( 2in1 )		

## Power Specifications

power input	9-36V 2PIN Phoenix terminal input
-------------	-----------------------------------

## Environmental Specifications

Anti-vibration	5-19Hz/1.0mm amplitude; 19-200Hz/1.0g acceleration	Operating Temp.	0°C ~ 50°C surface air flow
impact resistance	10g acceleration, 11ms period	Storage Temp.	-10°C ~ 60°C
reliability	MTBF>30000h; MTTR<0.5h	Working humidity	95% @40°C, no condensation
IP protection level	Front Panel IP55		

## physical characteristics

Dimensions (WxHxD)	290*210*42.4 mm (without bracket)	Material	Metal fanless design
weight	0.9kg/1.3kg ( net weight/gross weight)	installation method	Embedded installation: 271.4*193.3mm
color	black		

## Dimensions:

