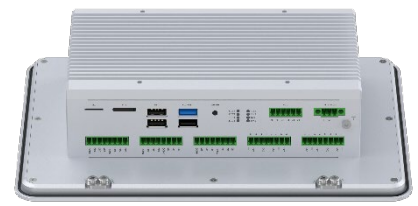


ARM6000-C101-R1-T

- Rockchip RK3568J industrial CPU
- Wide temperature tablet computer

■ Features

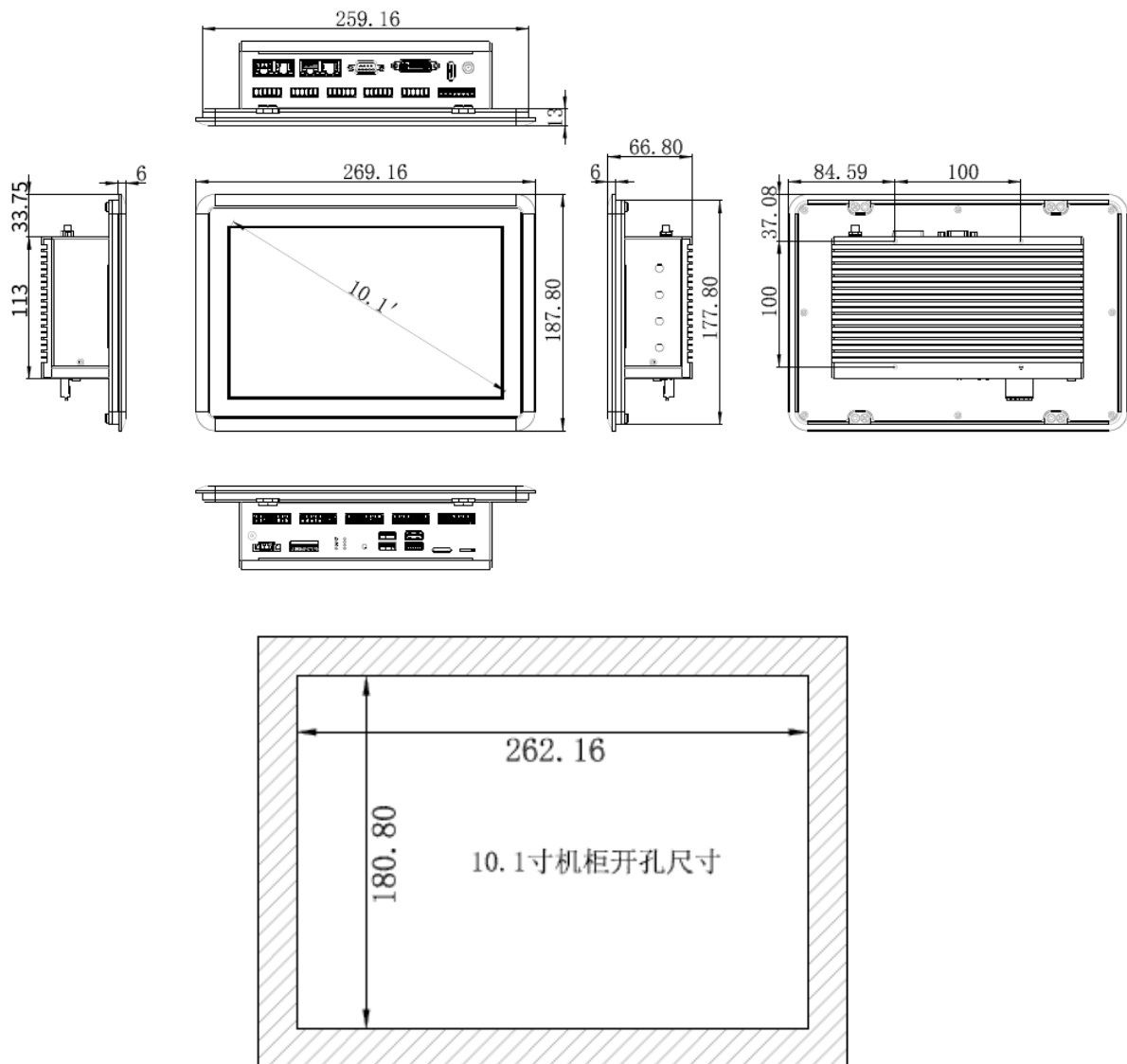
- RK3568J Industrial Wide Temperature CPU (Optional)
- 10.1 "wide temperature LCD module , Rich I/O interfaces
- Support 9-36V DC power supply
- Fanless design, supporting embedded installation
- Wide operating temperature -20 ~ 70°C



■ Specifications

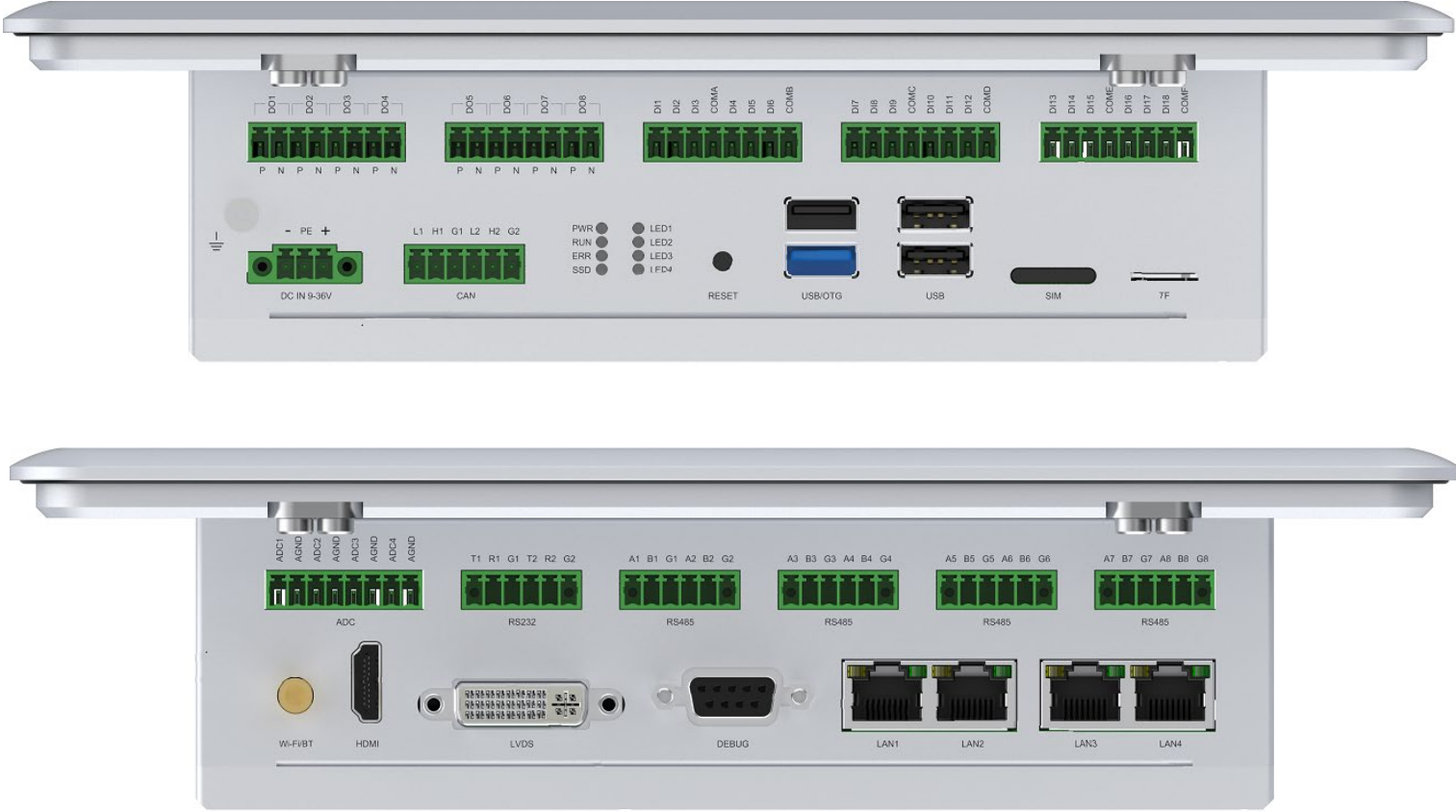
Model Name		ARM6000-C101-R1-T	
CPU	CPU	Rockchip RK3568 Quad-core Cortex-A55 up to 2.0GHz	Rockchip RK3568J Quad-core Cortex-A55 up to 2.0GHz
Memory	Type capacity	Onboard LPDDR4 2GB/4GB	
Storage	eMMC	Onboard 32GB eMMC	
	TF	1 x TF card slot, supporting storage expansion	
	M.2	1 x M.2 2242 key supports SSD, max up to 512GB	
I/O	Network	4 x 10/100/1000Mbps RJ-45 Ethernet Interface	
		On board 2.4G/5G Wi-Fi, support Wi-Fi 802.11 a/b/g/n/ac protocol + Bluetooth 5.0	
		1 x Mini-PCIe slot, support LTE 4G/5G modules (Optional)	
	USB	3 x USB2.0 , 1 x USB3.0 (OTG multiplexing)	
	COM	8 x RS485 (2-wire with isolation), 2 x RS23 (2-wire with isolation), 1 x Debug interface (RS232 DB9)	
	CAN	2 x CAN-Bus interfaces (with isolation)	
	DIO	18 x DI optocoupler input, (12 dry contacts, 6 wet contacts) 8 x DO relay isolation, normally open, contact resistive load 3A/5A 250VAC/30VDC	
	ADC	4x ADC (isolation) 0~10V	
	SIM	1 x Micro SIM card slot (with card holder)	
	LED	1 x RUN System LED (Lit green), 1 x Power LED (Lit green), 1 x ERR system error LED (Lit red) 1 x SSD HDD LED(Lit blue), 4 x Programmable LED(Lit green)	
	Display	1 x HDMI interface, supporting up to 4K (3840 * 2160) output , 1 x DVI-I (24 bit single channel LVDS)	
	Key	1 x Reset (hidden) , U-boot reuse	
LCD	LCD Size	10.1" TFT	
	Resolution	1280*800	
	Luminance	500cd/m2	
	Backlight MTBF	30000hrs	
Touchscreen	Touh Type	Multipoint Capacitive Touch Screen	
	Transmittance	>87%	
	Touch Interface	USB	
OS	Linux	Debian 11、 Ubuntu 20.04	
Power Supply	Voltage Input	DC 9~36V ±10%, overcurrent, overvoltage and polarity inverse protection	
	Power Consumption	≤20Watt	
Chassis	Structure	Aluminum-magnesium alloy BOX , fanless design , supporting embedded installation	
	Dimensions	232mm x 113mm x 60mm	
	Drill Hole Size	261.16mm x 179.8mm	
	Net Weight	2kg	
Environment	Work Temperature	-20 ~ 70°C	-20 ~ 70°C (motherboard operating temperature: -40~80 °C)
	Storage Temperature	-40 ~ 85°C	
	Relative Humidity	5~95% @40° (non-condensing)	
	Operating Vibration	SSD applied:1.5Grms,IEC 60068-2-64,random,5~500Hz,1 hr/axis	
	Operating Shock	20G peak acceleration(11ms duration) with SSD, Follow IEC60068-2-27	
	EMC	CE/FCC Class A	

■ Dimensions (Unit: mm) :



Note: If some optional parts are offered with the system, additional system certificates may be required in certain regions/countries.
Please contact NODKA for certificate compliance.

■ Interfaces



■ Ordering Information

Part No.	Product	Description
B81.AC101.38.0005	ARM6000-C101-R1-2G32-3568-T	RK3568,10.1" Capacitive touch ,1280*800 , 2GB memory, 32GB eMMC, DC IN 9~36V, 4 x GLAN 1 x 2.4G/5G Wi-Fi/BT 1 x Mini-PCIe support LTE 4G/5G , 8 x RS485 2 x RS232 2 x CAN 18 x DI 8 x DO 4 x ADC (isolation) , 3 x USB2.0 1 x USB3.0 , Operation temperature -40~80°C
B81.AC101.38.0006	ARM6000-C101-R1-4G32-3568-T	RK3568,10.1" Capacitive touch ,1280*800 , 4GB memory, 32GB eMMC, DC IN 9~36V, 4 x GLAN 1 x 2.4G/5G Wi-Fi/BT 1 x Mini-PCIe support LTE 4G/5G , 8 x RS485 2 x RS232 2 x CAN 18 x DI 8 x DO 4 x ADC (isolation) , 3 x USB2.0 1 x USB3.0 , Operation temperature -40~80°C
B83.A3907.3J.0001	ARM6000-C101-R1-4G32-3568J-T	RK3568J,10.1" Capacitive touch ,1280*800 , 4GB memory, 32GB eMMC, DC IN 9~36V, 4 x GLAN 1 x 2.4G/5G Wi-Fi/BT 1 x Mini-PCIe support LTE 4G/5G , 8 x RS485 2 x RS232 2 x CAN 18 x DI 8 x DO 4 x ADC (isolation) , 3 x USB2.0 1 x USB3.0 , Operation temperature -40~80°C

■ Options

Parts	Description
Power adapter	KPL-040F-v1 40W adapter kit , DC out 12V, with national standard power cord
Wi-Fi external antenna	Glue stick antenna,suction cup 3M antenna
M.2 2242 SATA SSD	128GB, 256GB, 512GB
SATA 3.0 SSD	128GB, 256GB, 512GB, 1TB
4G/5G Module kit	mini PCIE, Quectel EC20, Quectel_RG200U