

This is an Linux OS industrial Panel PC with a
10.1" capacitive touch function

10.1" 1000 NITS INDUSTRIAL PANEL PC

CAPACITIVE TOUCH DISPLAY



1000 Nits High-Bright



10-Points PCAP



Auto Dimming



PoE/PoE+



ISO 7637-2



Full Lamination

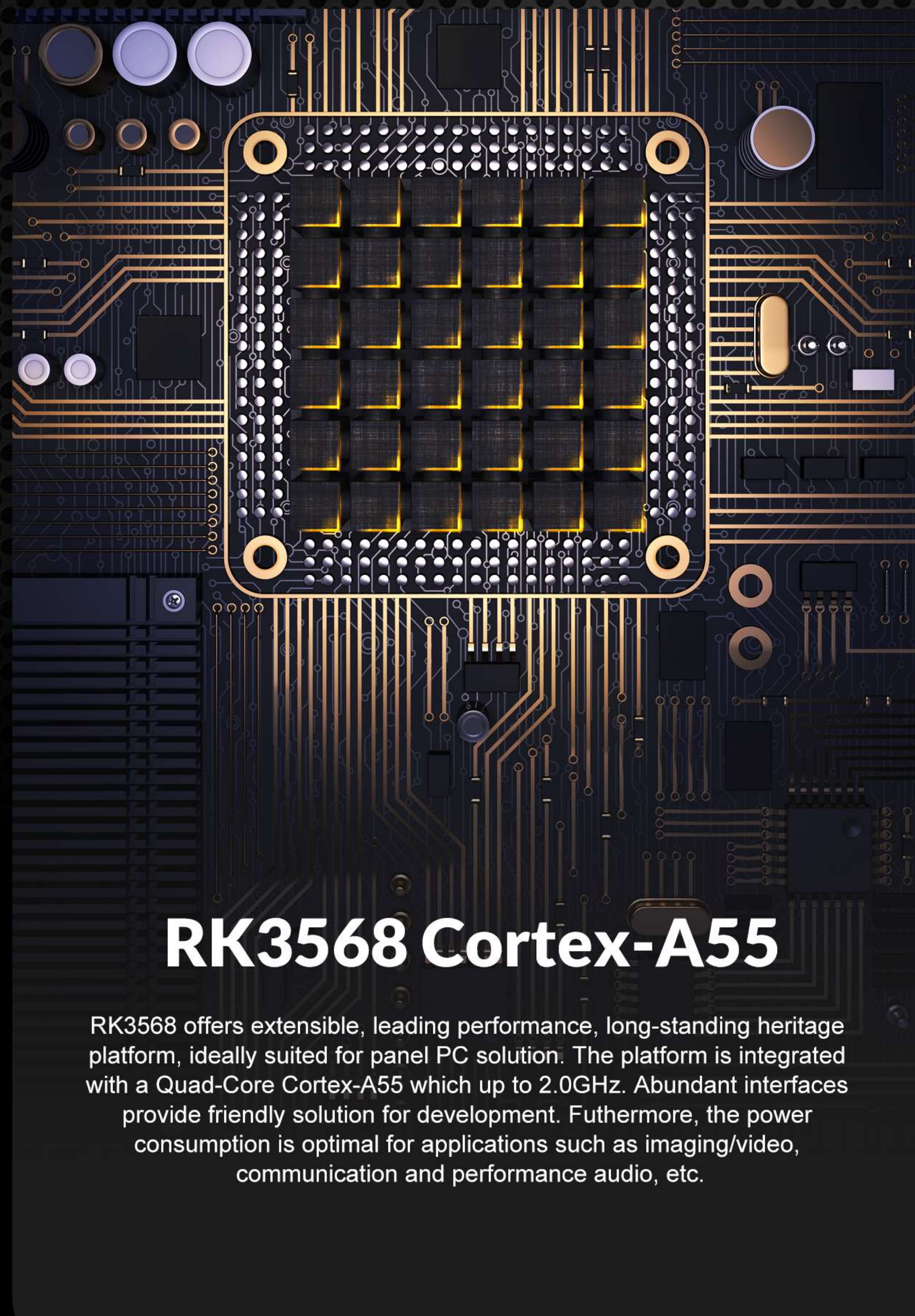


IP65 Rating



IK06

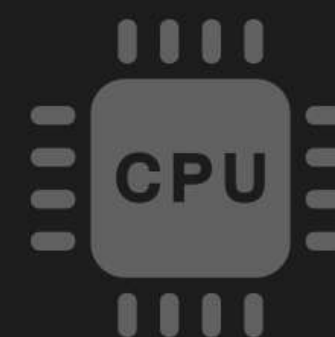




RK3568 Cortex-A55

RK3568 offers extensible, leading performance, long-standing heritage platform, ideally suited for panel PC solution. The platform is integrated with a Quad-Core Cortex-A55 which up to 2.0GHz. Abundant interfaces provide friendly solution for development. Furthermore, the power consumption is optimal for applications such as imaging/video, communication and performance audio, etc.

INTEGRATED CHIPSET



CPU

ARM Cortex®-A55, up to 2.0GHz
Quad-core processor



GPU

ARM G52 2EE



Memory

RAM: 2GB DDR4 Optional: 4GB DDR4
ROM: 16GB eMMC 64GB eMMC



SYSTEM

Linux Debian 11 (kernel-5.10) OS



Bluetooth

2402MHz~2480MHz



Wi-Fi

802.11a/b/g/n/ac, 2.4 GHz & 5 GHz



Cellular Network

LTE, HSPA+, UMTS, EDGE, GPRS, GSM

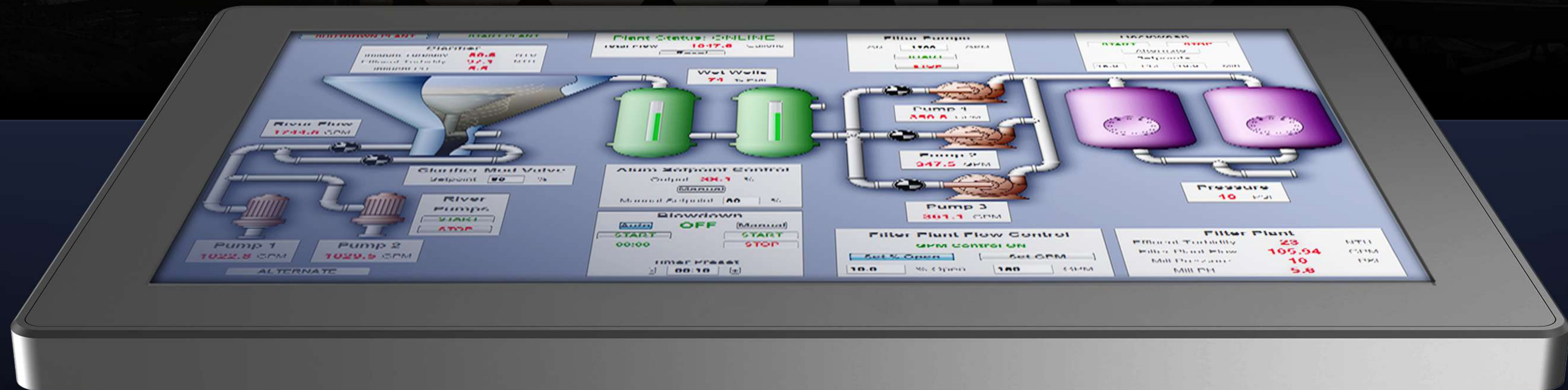


GNSS

GPS / GLONASS

*Tips: Bluetooth, Wi-Fi, GNSS and Cellular Network functions are optional items.

1000 NITS



Industrial panel PC features with 1000 nits high brightness for outdoor sunlight readable.



10.1" HD

10.1" Industrial-grade touch screen panel with 1280×800 resolution.



1000 NITS

The screen can still be seen clearly in outdoor use without hindering operation.



7H HARDNESS

The hardness of the screen is greater than 7H and it has passed IK06 test.

WI-FI
For External Wi-Fi antenna

LTE-M
For External 4G antenna

GPS
For External GPS antenna

POWER SWITCH
Power On/Off

VESA 75MM
For VESA 75mm Bracket.

POWER SUPPLY
3 Pin Terminal Block, DC 9-36V

LAN
1000M, Optional PoE/PoE+

MICRO SD
Micor SD Card Slot

USB 2
USB-A Host

USB 1
USB-A Host

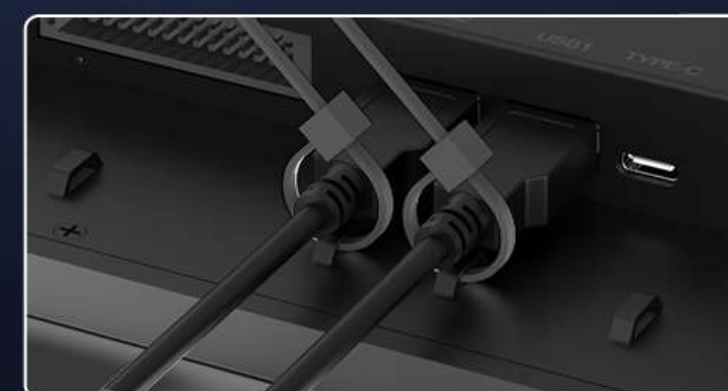
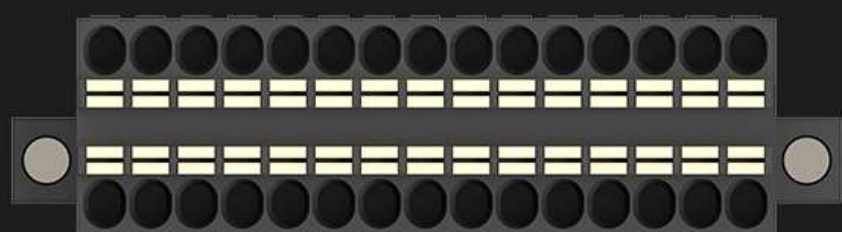
USB-C
USB Type-C OTG

SIM
Nano SIM Card Slot

EARPHONE
3.5mm Stereo Audio Output

EXPANSION PORT
GPIO×4/RS232×2/RS422/RS485×2/ACC/CAN×2

CABLE FIXING POSITION
Use A Snap Ring To Tie The Cable To This Structure





IP65 / NEMA 4 FOR FRONT PANEL

Front panel of the monitor is designed to carry IP65 rating and NEMA 4 degree of protection which offer complete protection against particles, and a good level of protection against water projected by nozzle against monitor from any direction.

Embedded Installation

The PC is paired with flexible components to build reliable installation method, suitable for most embedded demand environments.



Applications & Solutions

High performance leads to excellent compatibility with diverse applications, for instance, self service machine, industrial control, dashboard interface, smart locker and so on



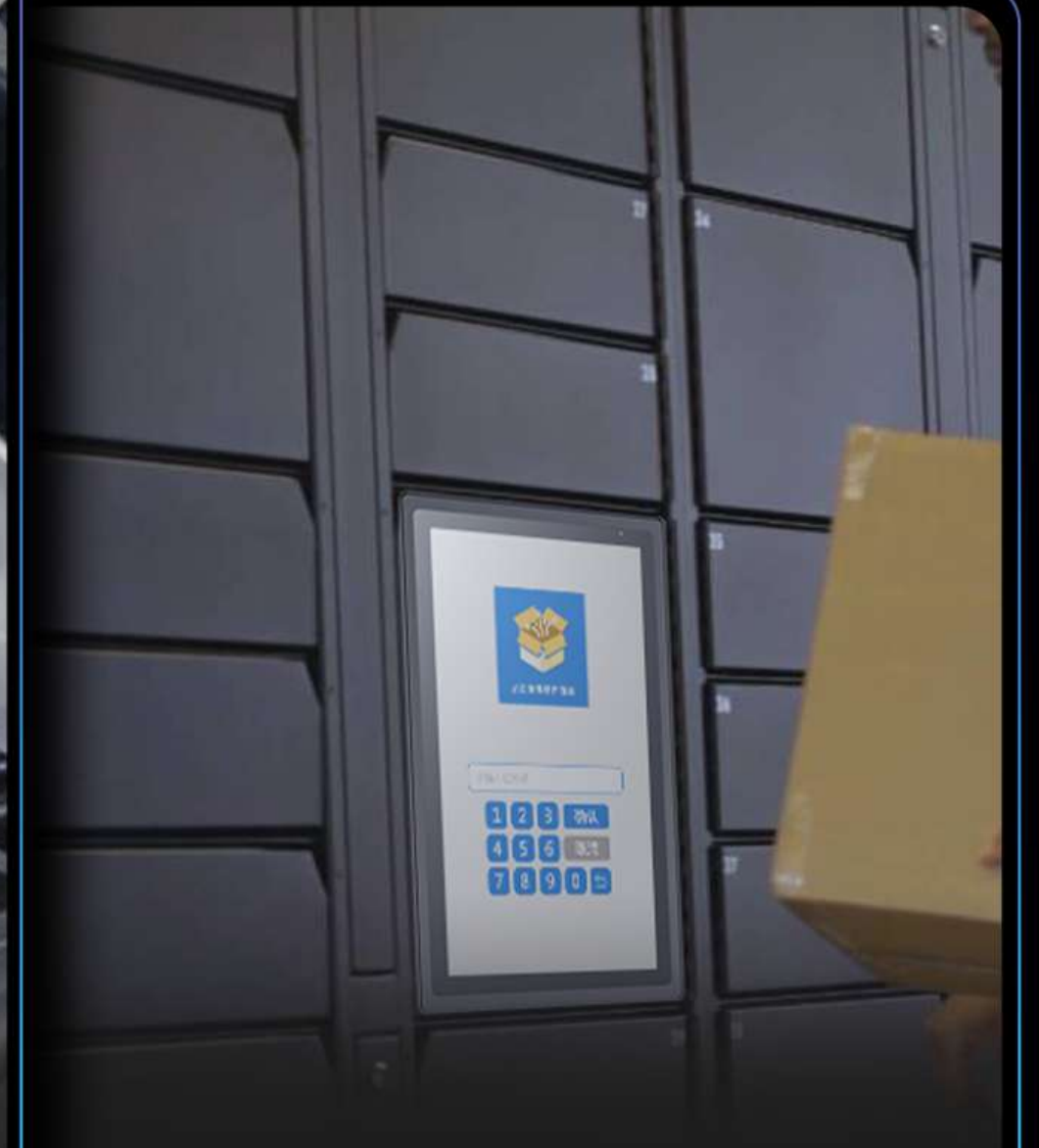
Self Service Machine



Industrial Control



Dashboard Interface



Smart Locker

Specifications • Accessories

SYSTEM	CPU	RK3568 ARM Cortex®-A55 Quad-core 2.0GHz processor
	OS	Linux Debian 11 (Kernel-5.10)
	RAM + ROM	2GB DDR4 + 16GB eMMC, Optional 4GB + 64GB
	GPU	ARM G52 2EE
PANEL	LCD	10.1" IPS, 1280×800, 1000 nit, 170°/170° viewing angle
	Touch Screen	Multi-point PCAP with G+G technology
	Hardness / Collision	Hardness ≥7H (ASTM D3363), Collision ≥IK06 (IEC6262/EN62262)
	Transmittance	≥86%
INTERFACE	LAN	1000M×1 (Optional PoE/PoE+: IEEE802.3 af/at)
	GPIO	×4 (Input×4)
	COM	RS232×2, RS485×2, RS422×1
	CAN	×2, support CAN 2.0b protocol
	Nano SIM	×1
	Micro SD Card	×1, support up to 1TB
	USB	USB-A host×2, USB-C OTG×1
	ACC	×1
	Earphone Jack	3.5mm
	Wi-Fi	Optional, 802.11a/b/g/n/ac, 2.4GHZ/5GHZ
WIRELESS	Bluetooth	Optional, 2402MHz~2480MHz
	Cellular Network	Optional, 3G/4G (LTE, DC-HSPA+, UMTS, EDGE, GPRS, GSM)
	GNSS	Optional, external (GPS, GLONASS)
	Front Camera	Optional, 5.0MP
BUILT-IN	Sensors	Light sensor Optional, Gyroscope, Accelerometer, Magnetic sensor
	Speaker	×1
POWER	Power Supply	DC 9~36V (ISO 7636-II compliant)
	Power Consumption	≤16W
OTHER	Dimension	255mm×172mm×32mm
	Weight	1.36kg
	Protection Rating	Front IP65 (IEC60529), Front NEMA 4
	Vibration	1.5Grms, 5~500Hz, 1 hr/axis (IEC 60068-2-64)
	Shock	10G, half-sine wave, last 11ms (IEC 60068-2-27)
	Environment	Operating Temp: -10°C~60°C (14°F~140°F) Storage Temp: -20°C~65°C (-4°F~149°F)



Standard Accessories



Phoenix Terminal



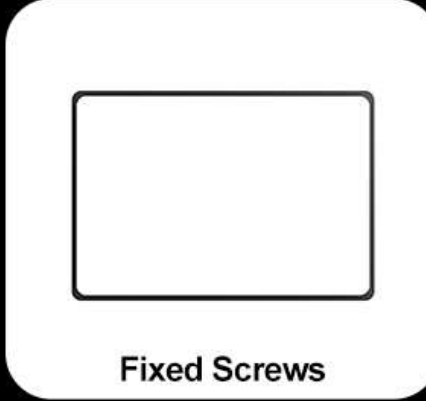
Matching Socket



USB-A To USB-C Cable



Waterproof Foam



Fixed Screws

Optional Accessories



Wi-Fi Antenna



GPS Antenna



4G Antenna



12V 2A DC Adapter



DC Female Cable