

neway®

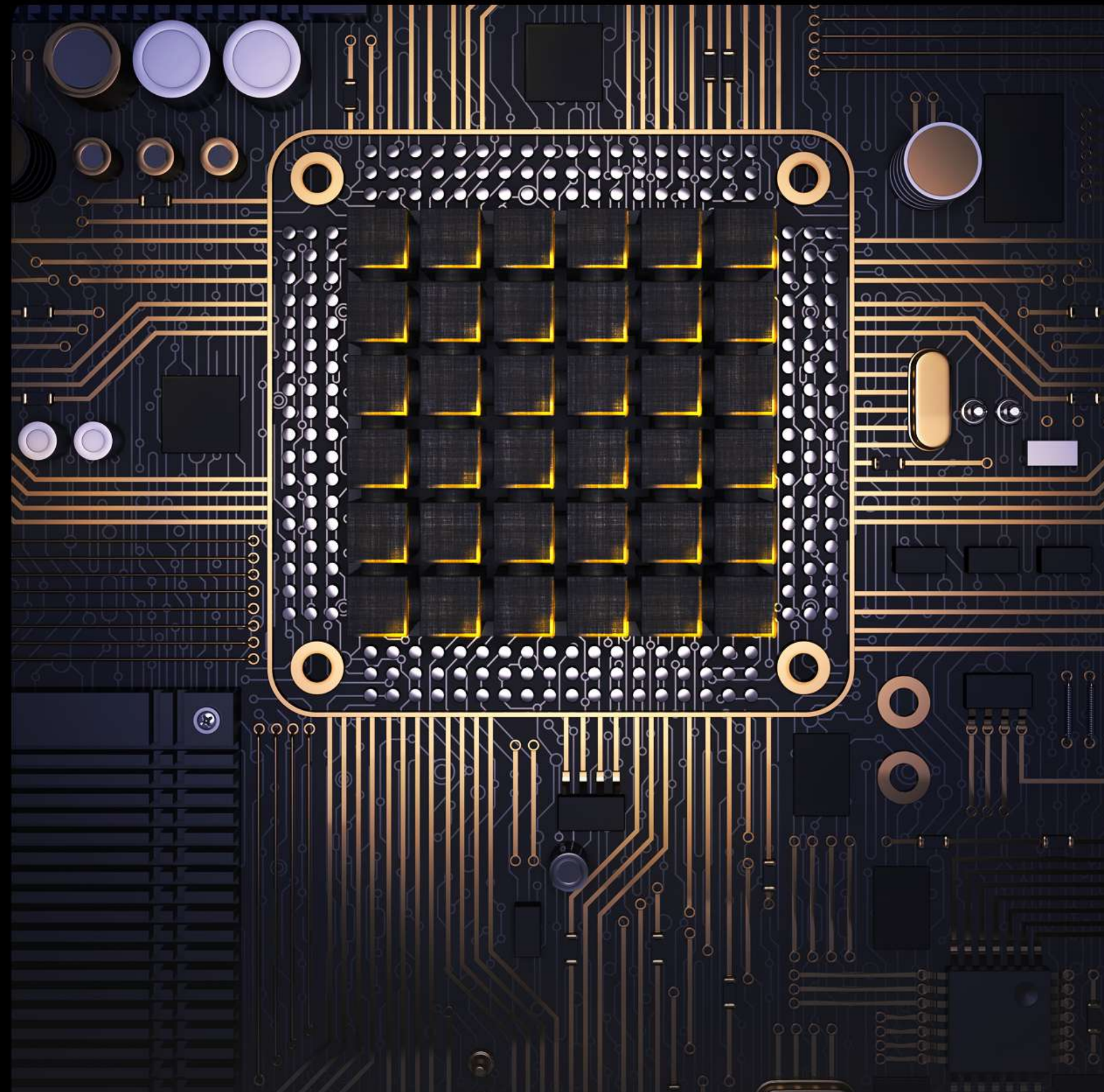
10.1" 1000 NITS LINUX OS PANEL PC CAPACITIVE TOUCH DISPLAY



Model No.: N101RL



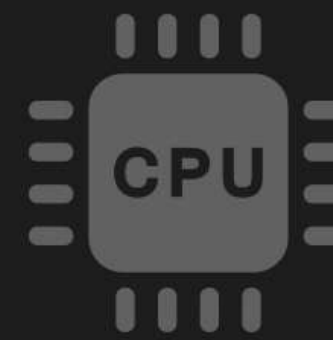
This is an Linux OS industrial Panel PC with a
10.1" capacitive touch function



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

Mali-T764



Memory

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



GNSS

GPS / GLONASS



Bluetooth

2402MHz~2480MHz



Wi-Fi

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



Cellular Network

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

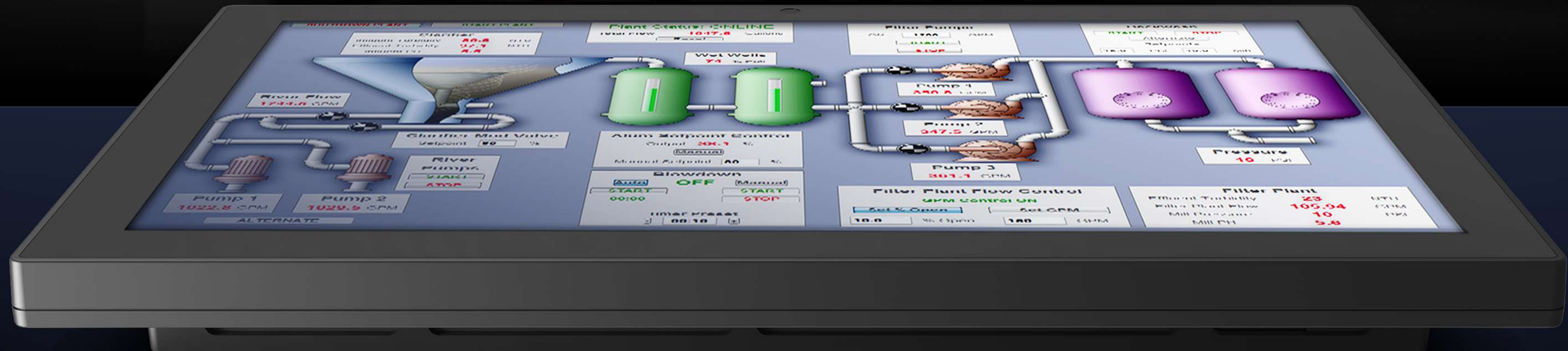


NFC

ISO/IEC 14443 A&B, ISO/IEC 15693

*Tips: Bluetooth, Wi-Fi, GNSS, Cellular Network and NFC 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 1280x800 resolution.



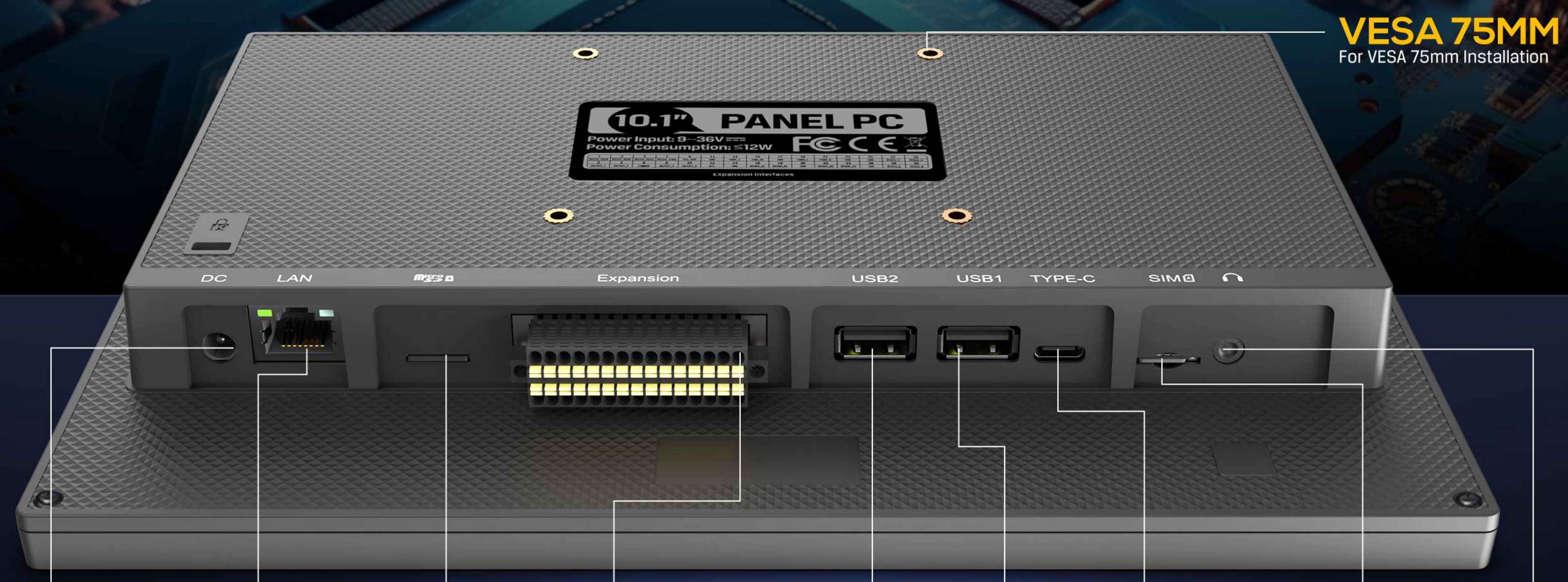
1000 NITS

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



AUTO DIMMING

Depending on the intensity of ambient
light, the brightness of screen will be
automatically adjusted to save power.



VESA 75MM
For VESA 75mm Installation

DC POWER
Power Supply DC 9-36V

LAN
Support PoE/PoE+

SD CARD
Micro SD Card Slot

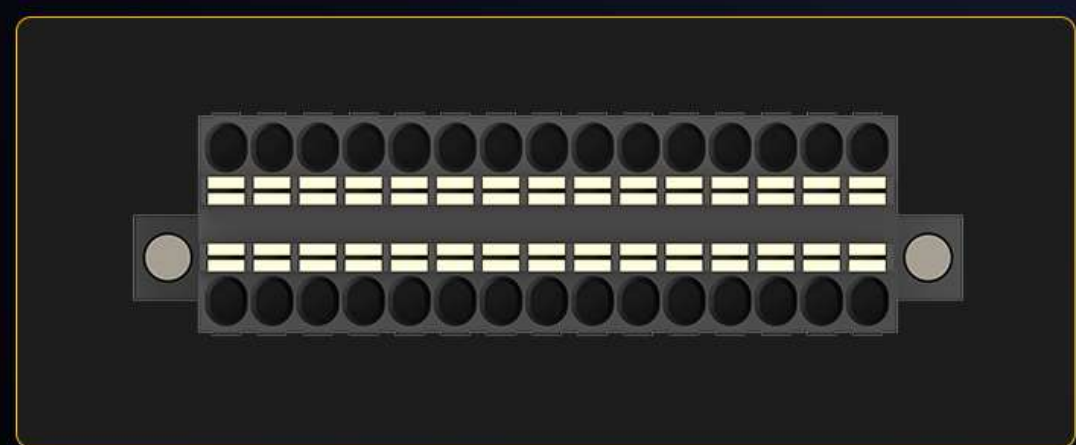
USB 2
USB-A Host

USB 1
USB-A Host

USB-C
USB-C OTG

SIM CARD
Nano SIM Card Slot

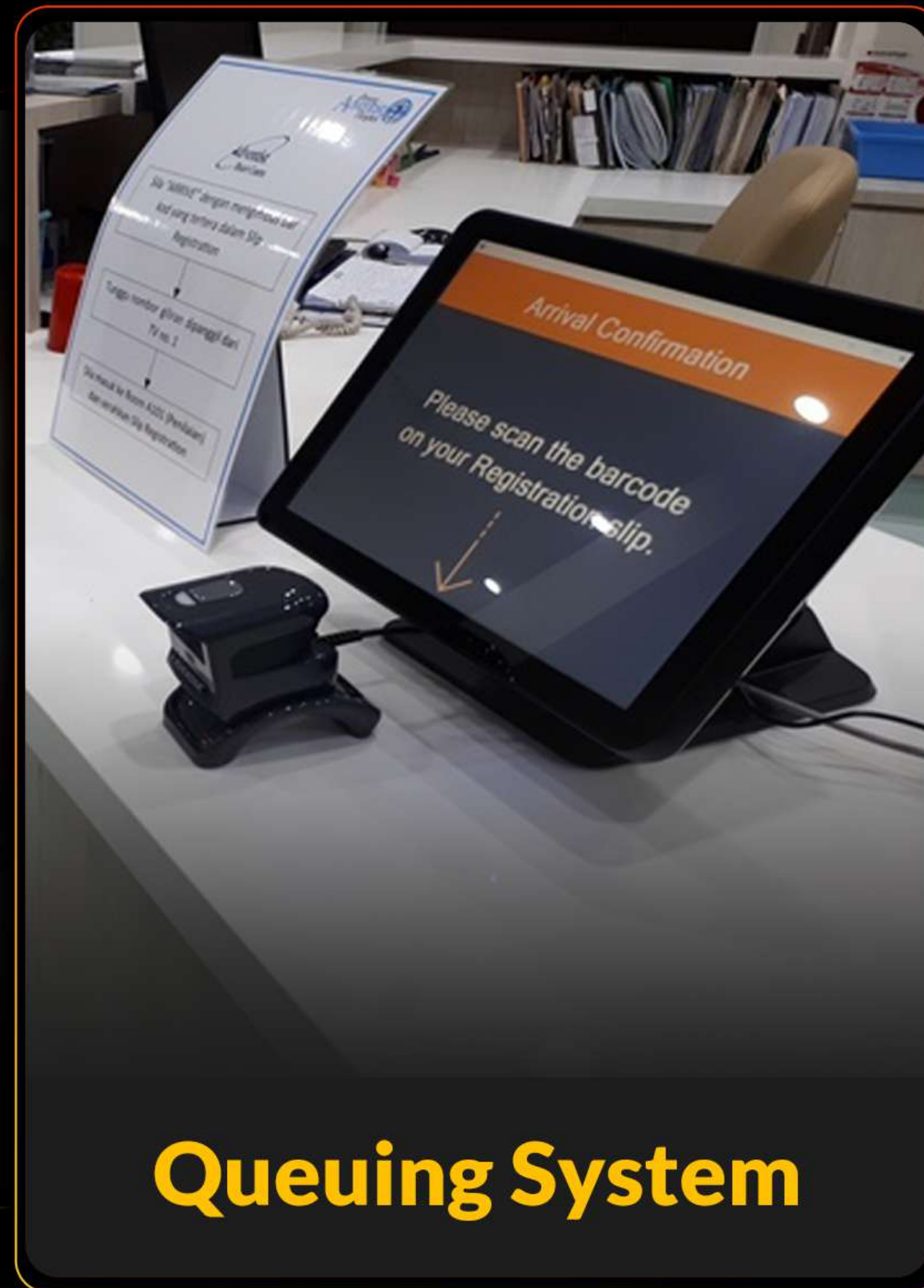
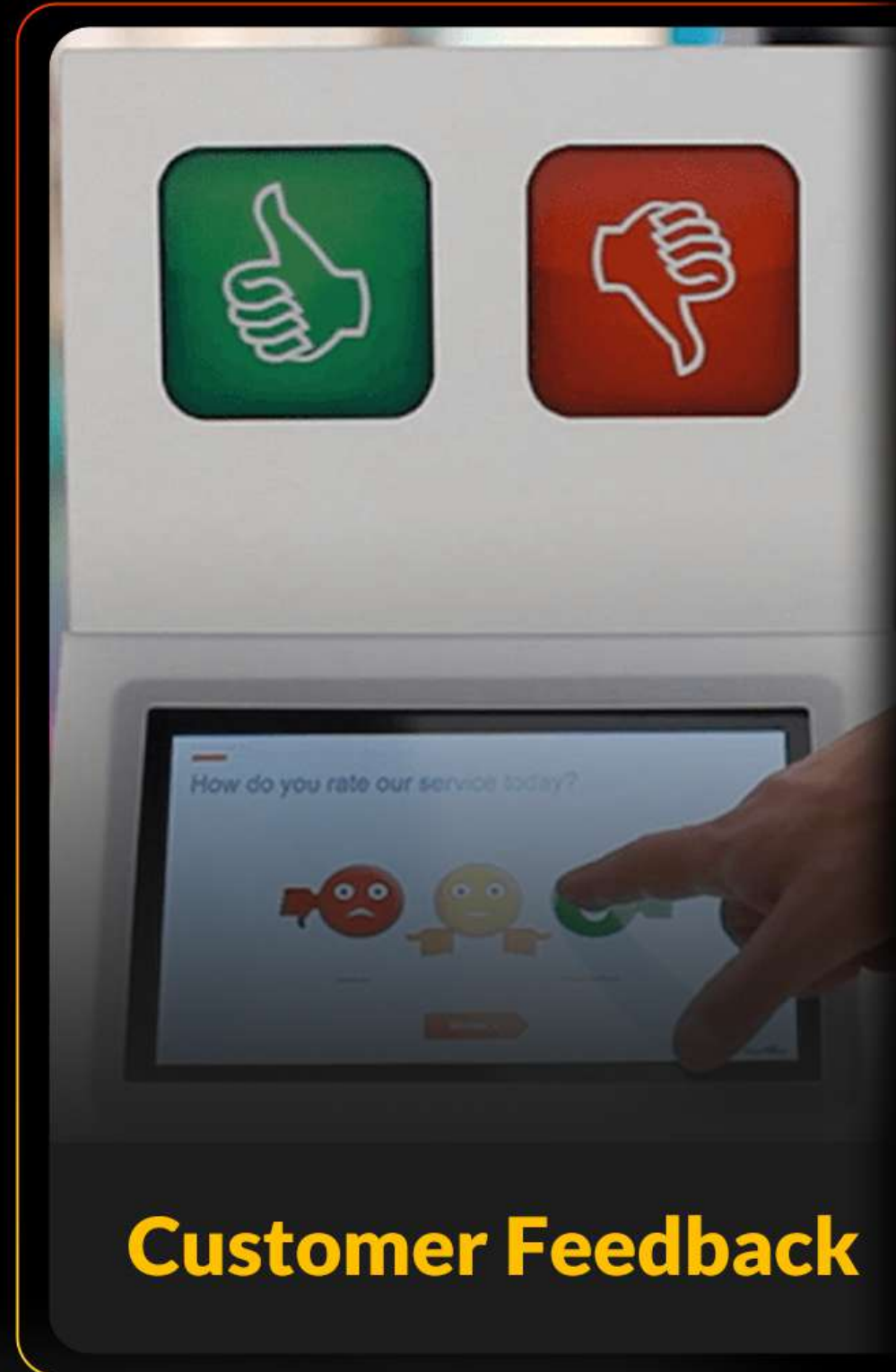
EARPHONE
3.5mm Earphone Jack



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

Applications & Solutions

High performance leads to excellent compatibility with diverse applications, for instance, customer feedback, queuing system, digital signage, smart home and so on.



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	Mali-T764
PANEL	LCD	10.1" IPS, 1280×800, 1000 nit, 170°/170° viewing angle
	Touch Screen	Multi-point capacitive touch screen
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)
	NFC	Optional, ISO/IEC 14443 A&B, ISO/IEC 15693
	Front Camera	Optional, 5.0MP
BUILT-IN	Sensors	Light sensor
		Optional, Gyroscope, Accelerometer, Magnetic sensor
	Speaker	×1
POWER	Power Supply	DC 9~36V (ISO7637-II)
	Power Consumption	≤16W
OTHER	Dimension	249mm×166mm×32mm
	Weight	905g
	Environment	Operating Temp: -10°C~60°C (14°F~140°F) Storage Temp: -20°C~70°C (-4°F~158°F)



Standard Accessories



12V 2A DC Adapter



USB-A To USB-C Cable



Matching Socket



E-User Manual