pretech
www.pretech-e.com

Turnkey Solution Provider

Android Windows Linux

AIOT SMART DISPLAY

Smart POS

Open Frame Embedded

Smart IoT

Smart Education

Smart Healthcare

Car Infotainment

About Us

ODM Android / Windows and Linux Smart Display Solutions

Pretech International Co., Limited, founded in 2010, specializes in Android and Linux-based smart display solutions for control consoles. We ofer fully customized solutions ranging from 3 inches to 100 inches, as well as of-the-shelf options, focusing on technical development, balancing quality and cost, and providing excellent sales service.

Our smart panels feature a variety of functions such as 5G, LTE, Wi-Fi, POE, RS485, KNX, Bluetooth, Zigbee, ZWave, Thread, Mater, NFC, 1D TOF, 3D TOF, IR, RF, AI acceleration etc... providing excellent HMI(human-machine interface) experience. These features are tailored for various industries, such as: home automation,Intercom and security system,In-vehicle infotainment Smart sport, healthcare, home appliances, advertising Kiosk, payment systems, education and more.Our professional R&D, sales, and service teams have extensive experience, successfully delivering numerous large ODM and OEM custom projects. We focus on hardware and OS development, also including integrated MDM and OTA applications, ensuring high quality and cost-eficiency while providing exceptional service.

Custom Smart Devices Solutions

pretech
www.pretech-e.com

POS Solutions

Smart Tablet Menu
Kitchen Display with NFC
Tablet PC for Feedback Management
Smart Device for Payment Terminal

Interactive IoT Solutions

Wall-mounted Tablet with POE
Wall-mounted Panel Gateway
Smart Gateway Hub with Cellular Network
Tablet PC with Docking Station for Smart Air Conditioner

Car Infotainment Solutions

Professional OBD Tablet PC for Repair Shop
On-Board Diagnostics Tablet PC for Drivers
High Accuracy Pro Android Portable Navigation
Car Rear Seat Entertainment System

HMI Solutions

Tablet PC Open Frame for Smart Coffee Machine
Android Touch Panel for Smart Cooker Panel
Digital Signage for Vending Machine
5 inch Android Tab for E-Bikes
Smart Android Touch Screen for Home Gym

Smart Education

Tablet PC with stylus for Students Learning
Tablet PC for Students Learning with charging docking

Healthcare Solutions

Smart Device for Skin Care
Blood Glucose Meter Dongle for Medical Use
Senior Care Tablet PC
Door Tablet for Clinics, Private and Public Hospitals

Custom Smart Devices Solutions

pretech
www.pretech-e.com

Multimedia Player

Portable Translation Equipment
Smart Audio Guide
Portable Translation Equipment

Enterprise Solutions

Security & Privacy Focused Phone

SBC

SOD3588S-M	RK3588S	SOD3566-M	RK3566
SOD3576-M	RK3576	E6	RK3566
F76	RK3576	AIOT	RK3566
H3576	RK3576	M3562	RK3562
M3576S	RK3576S		

SOM

SOM3588	RK3588
SOM3588S	RK3588S
SOM3576-F	RK3576
SOM3568-F	RK3568

SOM and Carrier Board

V58	RK3588
H3588S	RK3588S

pretech
www.pretech-e.com

POS Solutions

12-inch
NFC Tablets with 3 Distinct Pogo Pin Interfaces

—

L1208

11-inch
NFC Tablets with Charging Dock

—

L1108

10.1-inch
NFC Tablets Dual USB Type C
NFC Tablets

—

L1008
L1083D

8-inch
NFC Tablets

—

L863B

6.5-inch
NFC Smartphone with Charging Dock
NFC Smartphone

—

651GD
651G

pretech
www.pretech-e.com

NFC 12-inch

with Three Distinct Pogo Pin Interfaces

Model: L1208

NXP
PN7220

12-Inch NFC Android Tablet with NXP PN7220: Versatile and Secure Solution

The 12-inch NFC Android tablet is a versatile device designed to meet the needs of various industries. With its robust NFC capabilities, supporting modes compatible with ISO/IEC14443-A&B, FeliCa, MIFARE IK/4K, and NFC Forum type 2/3/4A/4B/5, it excels in applications such as access control systems, transportation payment solutions, library management, industrial tracking, smart home automation, retail point of sale (POS), and event ticketing. The tablet's fingerprint recognition feature enhances security, making it ideal for retail and embedded devices. Equipped with an 8MP front camera and a 13MP rear camera, it offers high-performance imaging. A large 10,000mAh battery ensures long-lasting power, while 33W PD fast charging keeps it running efficiently. The tablet also features a compact design with a 1.2mm thick aluminum shell, providing superior durability and anti-fall performance

Model: L1208

Industrail Applications

pretech
www.pretech-e.com

Access Control Systems

Transportation Payment Solutions

Library Management

Industrial Tracking

Smart Home Automation

Retail Point of Sale (POS)

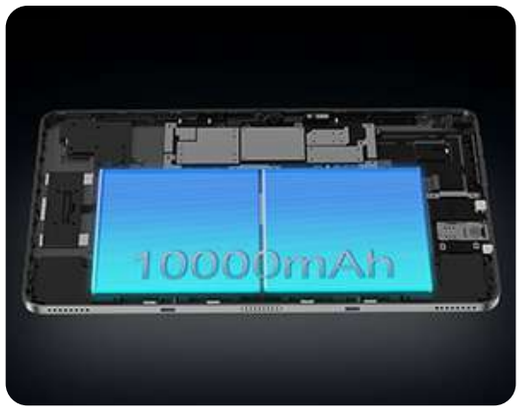
Model: L1208

Hardware Features

pretech
www.pretech-e.com

Supports Front NFC

Fingerprint Recognition Support



10000mAh Big Battery Capacity

33W Fast Charging Support

Strong Magnetic Attraction Attached

A: Pogo Pin 9-pin Interfaces

B: Pogo Pin 8-pin Interfaces

C: Pogo Pin 9-pin Interfaces

Model: L1208

Product Detail

pretech
www.pretech-e.com

A: Pogo Pin 9-pin Interfaces

Function: USB+ Power Supply + Internal Charging + GPIO (Optional I2C, SPI)
Support: Various functional docks / embedded applications

B: Pogo Pin 8-pin Interfaces

Function: USB+ Power Supply + GPIO
Support: Professional barcode scanner, back clip, infrared camera, ID card module

C: Pogo Pin 9-pin Interfaces

Function: USB+ Power Supply + Internal Charging + GPIO (Optional I2C, SPI)
Support: Various functional docks / embedded applications

Specification

CPU
Octa Core, 2 x A76 2.2 GHz + 6 × A55 2.0 GHz

OS
Android 15 GMS

Screen
12-inch, 2000 x 1200, IPS Incell

RAM
6GB/8GB/12GB

Storage
4GB/6GB/8GB

Wi-Fi/Bluetooth
IEEE 802.11ac/a/b/g/n 2.4GHz&5GHz

LTE
LTE-FDD: B1/2/3/4/5/7/8/12/13/17/18/19/20/25/26/28AB/66
LTE-TDD: B38/B40/B41
WCDMA: B1/B2/B4/B5/B8
GSM: B2/B3/B5/B8

Camera
Front 8MP FF;Rear13MP AF

Camera
2 x Box Speakers 8Ω/1.0W

Support
NFC Reader Mode:
NFC Forum type 2/3/4A/4B/5
ISO/IEC15693
ISO/IEC14443-A & B
FeliCa 212 .kbit/s and 424ls (without crypto)
MIFARE IK/4K
MIFA6 series
NFC Card Emulation Mode:
NFC ForumT4T(ISO/IEC14443-A)

Tablet I/O
TypeC x 1
Magnetic Pogo Pin 9pin x 2
Magnetic Pogo Pin 8pin x 1

Battery
10000mAh/3.8V

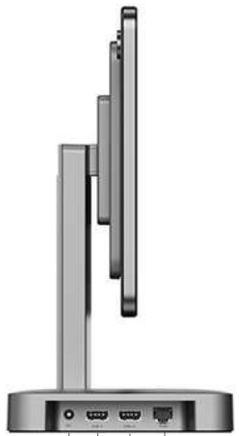
Dimensions
281.5 x 177x 9.5mm

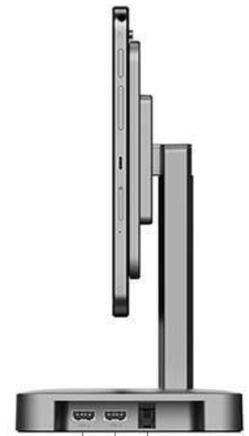
Weight
810g without charging dock
1350g with charging dock

Cradle I/O
DC in x 1
USB A(OTG) x 5
USB C(20W output) x 1
RJ45(Ethernet) x 1
RJ12(GPIO) x 1

Model: L1208

12" NFC Android Tablet with Detachable Multi-Port Cradle





RJ45
Ethernet port for direct wired internet connection.

USB-A
Supports connection of USB devices, such as barcode scanners, scanning modules, mice, keyboards, USB printers, and USB flash drives.

USB-A
Supports connection of USB devices, such as barcode scanners, scanning modules, mice, keyboards, USB printers, and USB flash drives.

DC IN
for connecting the power adapter to supply power to the entire base.

TYPE-C
Provides 20W PD power delivery only (no data transfer).

USB-A
Supports connection of USB devices, such as barcode scanners, scanning modules, mice, keyboards, USB printers, and USB flash drives.

Indicator light
Observes the base's power status; lights up when powered on.

RJ11
Software-controlled 12V cash drawer port.

USB-A
Supports connection of USB devices, such as barcode scanners, scanning modules, mice, keyboards, USB printers, and USB flash drives.

USB-A
Supports connection of USB devices, such as barcode scanners, scanning modules, mice, keyboards, USB printers, and USB flash drives.

Model: L1208

12" NFC Android Tablet with Magnetic Multi-Port Dock

pretech
www.pretech-e.com

RJ45
Ethernet port for direct wired internet connection.

USB-A
Supports connection of USB devices, such as barcode scanners, scanning modules, mice, keyboards, USB printers, and USB flash drives.

USB-A
Supports connection of USB devices, such as barcode scanners, scanning modules, mice, keyboards, USB printers, and USB flash drives.

DC IN
for connecting the power adapter to supply power to the entire base.

TYPE-C
Provides 20W PD power delivery only (no data transfer).

USB-A
Supports connection of USB devices, such as barcode scanners, scanning modules, mice, keyboards, USB printers, and USB flash drives.

Indicator light
Observes the base's power status; lights up when powered on.

RJ11
Software-controlled 12V cash drawer port.

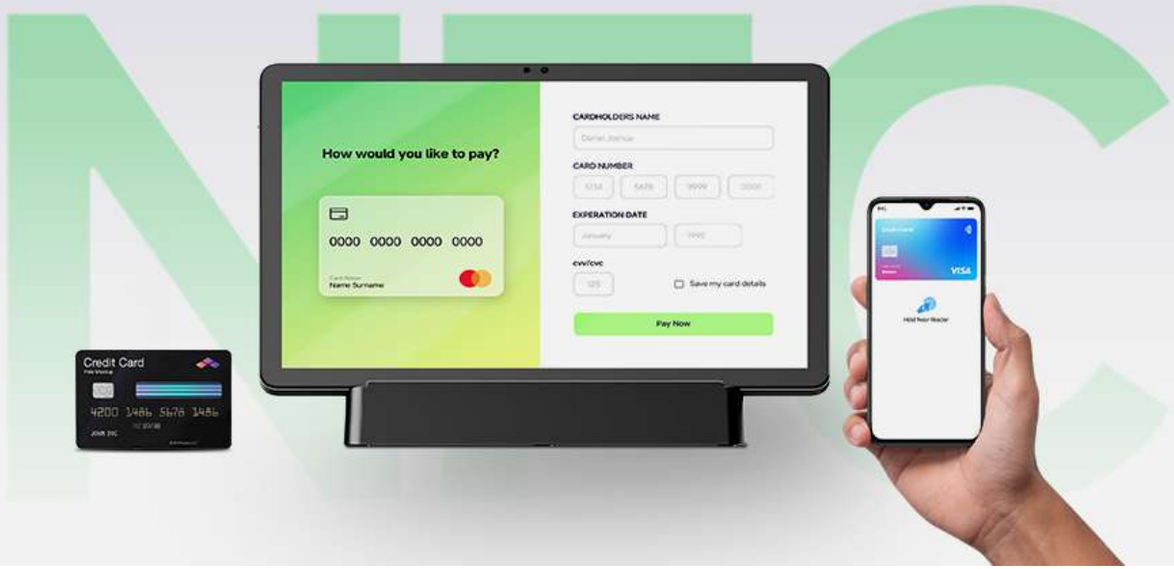
USB-A
Supports connection of USB devices, such as barcode scanners, scanning modules, mice, keyboards, USB printers, and USB flash drives.

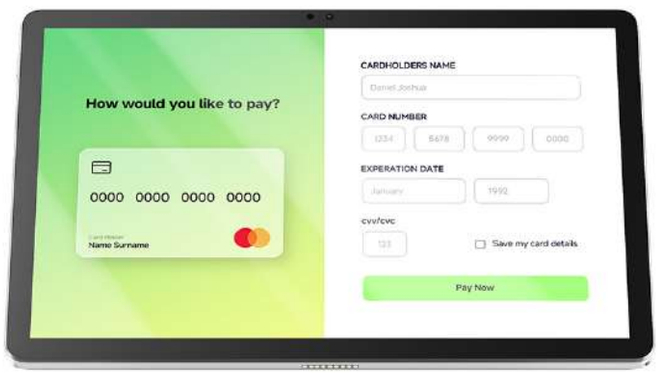
USB-A
Supports connection of USB devices, such as barcode scanners, scanning modules, mice, keyboards, USB printers, and USB flash drives.

pretech
www.pretech-e.com

NFC 11-inch

Model: L1108





11-inch Android NFC Tablets with Multiple Ports Dock

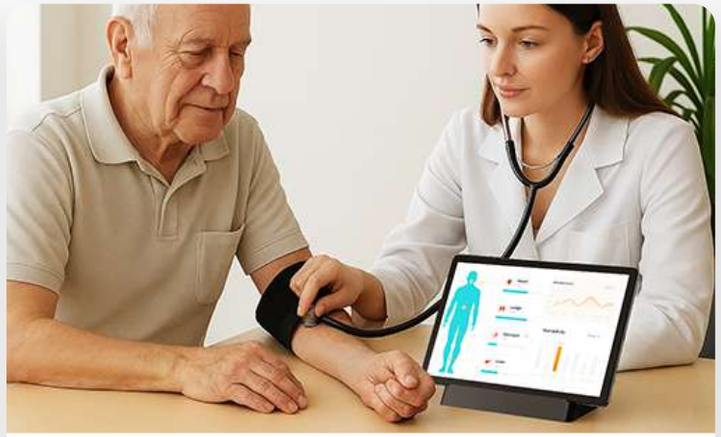
The L1108 is an 11-inch middle-high level tablet designed for versatility and convenience. With Android 14 ready and Android 15 optional, it features an Octa Core processor, 6GB RAM, and 128GB storage. The tablet supports facial recognition and NFC for tap-to-pay functionality, enhancing security and convenience. Equipped with multiple ports in its dock, it offers seamless connectivity for various devices.

Model: L1108

Industrail Applications

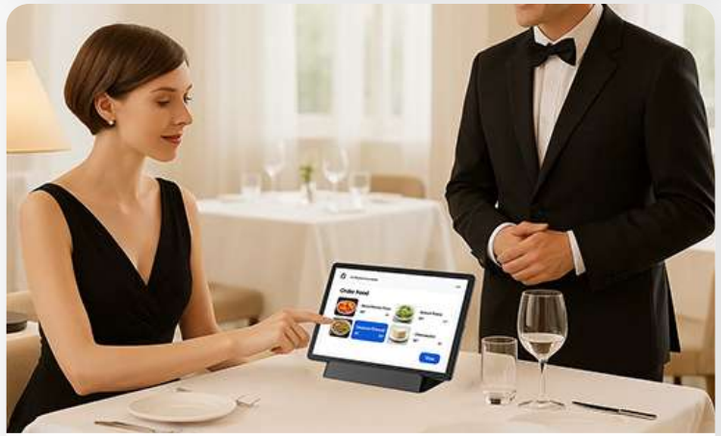
pretech
www.pretech-e.com

Smart Home Control Solutions

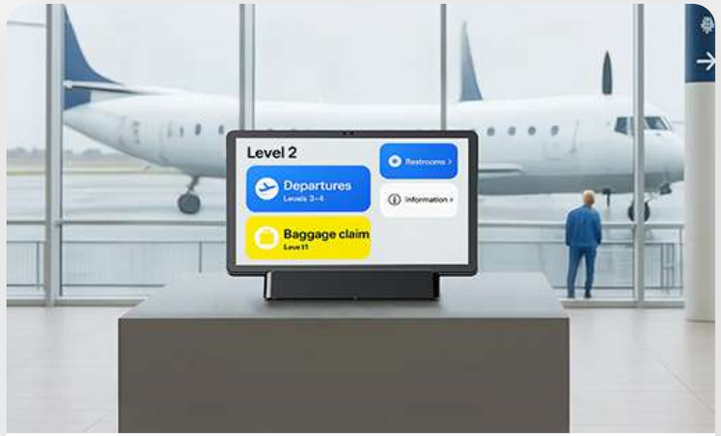


Healthcare Solutions

Education Solutions



Education Solutions



Public transportation Solutions

Retail Solutions

Model: L1108

Product Detail

pretech
www.pretech-e.com

NFC Tablets with Sleek design and Compact Design

Detachable Tablet PCs and Dock Design

Multi-Port Dock Design

Specification

CPU
MT6789 2x A76 2.2GHz
+ 6x A55 2.0GHz(G99)

OS
Android 15

Screen
10.95" 1920 x 1200 IPS Incell

RAM
4GB/6GB/8GB

Storage
64GB/128GB/256GB

Wi-Fi/Bluetooth
WiFi 802.11 ac/b/g/n;BT5.0; GPS,FM

LTE
FDD B1/2/3/4/5/7/8/12/13/17/18/19/
20/25/26/28AB/66 Optional
TDD B34/38/39/40/41 Optional

Camera
Front 5MP/8MP FF;Rear 5/8/13MP AF

Speaker
2 x Box Speakers(4 speakers available)

Support
G-sensor;light sensor/proximity sensor;
Gyroscope;PD fast charging

I/O
USB Type C x 1
SIM/TF Card Tray
Earphone x 1
Pin pogo x 1

Battery
8000mAh/3.8V Maximum

Dimensions
256 x 168 x 7.45mm

pretech
www.pretech-e.com

NFC 10.1-inch
with Dual USB C Port

Model: L1008

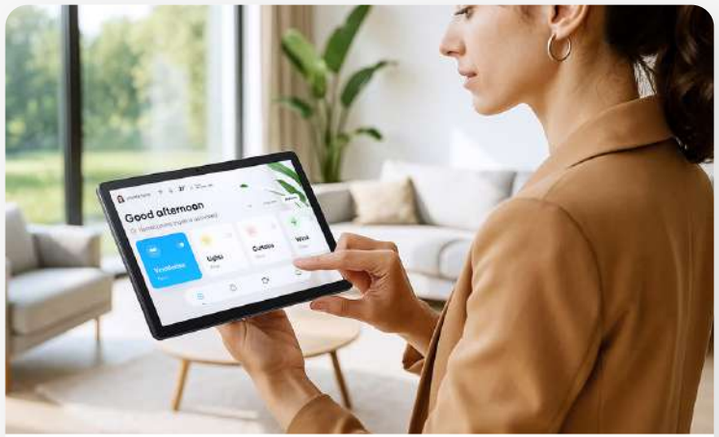
10.1-inch Android NFC Tablets with Dual USB C Port

The L1008 is a 10-inch middle-level tablet designed with a focus on versatility and efficiency. It runs on Android 15, featuring an Octa Core processor with 2 × A75 2.0 GHz + 6 × A55 1.8 GHz, ensuring a balance of performance and energy efficiency. The tablet supports facial recognition and NFC for tap-to-pay functionality, enhancing security and convenience. With dual Type-C ports, it is ideal for fixed point-of-sale scenarios, such as order terminals and cash registers, where one port can be used for charging while the other serves as a host for peripheral connections

Model: L1008

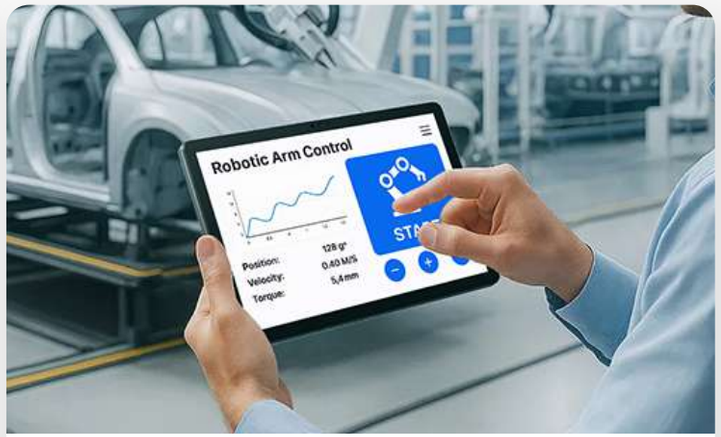
Industrail Applications

pretech
www.pretech-e.com



10.1-inch NFC Tablets Android as Smart Home Control Centers

Retail and Hospitality POS Systems



Industrial Automation and Logistics Management

Interactive Learning Terminals in Education

Health Monitoring Terminals in Healthcare

Public Services Information and Service Terminals

Model: L1008

Product Detail

pretech
www.pretech-e.com

Two USB Type C port

Front NFC Support

Rotated Floor Stand Support

Specification

CPU
MT8786 2x A75 2.0GHz+6x A55 1.8GHz(G80)
MT8781 2x A76 2.2GHz+6x A55 2.0GHz(G99)

OS
Android 15

Screen
10.1" 800 x 1280 IPS incell

RAM
4GB/6GB

Dimensions
239.3 x 157.74 x 7.95mm

Storage
64GB/128GB/256GB

Wi-Fi/Bluetooth
WiFi 802.11 ac/b/g/n;BT5.0; GPS+FM

LTE
FDD B1/2/3/4/5/7/8/12/13/17/18/19/20
/25/26/28AB/66 Optional
TDD B34/38/39/40/41 Optional

Weight
470g

Camera
Front 5MP/8MP FF;Rear 5/8/13MP AF

Speaker
2x Box Speakers (4 Speakers Available)

Support
FM;G-sensor;
Light sensor/proximity sensor;Gyroscope;
PD fast charging

I/O
USB: Type-C x 2
C1: Charging (9V2A=18W fast charging opitonal) + Host + Device
C2: Host (for connecting peripherals)
SD card: Nano sim x 2 Or Nano sim+TF
SIM card: Nano sim x 2 Or Nano sim+TF

Battery
6000mah/3.8V Maximum

pretech
www.pretech-e.com

NFC 10.1-inch

Model:L1083D

Passive mode
Reader/Writer

Active and passive
Peer-to-Peer

Active mode
Card Emulation

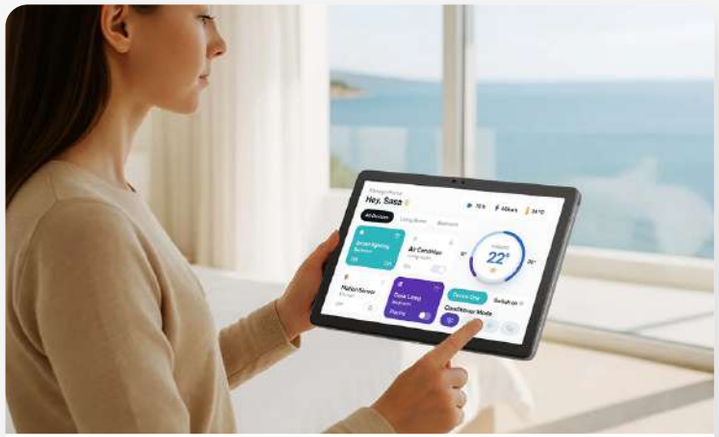
10.1-inch NFC Tablets

The L1083D is a 10.1-inch entry-level tablet designed with cost-efficiency in mind. It runs on Android OS, featuring an Octa Core processor with 4 × A53 2.0 GHz + 4 × A53 1.5 GHz, ensuring reliable performance. The tablet supports facial NFC for tap-to-pay functionality, enhancing security and convenience. With optional table top and floor stands, it offers versatility for various placement options.

Model: L1083D

Industrail Applications

pretech
www.pretech-e.com



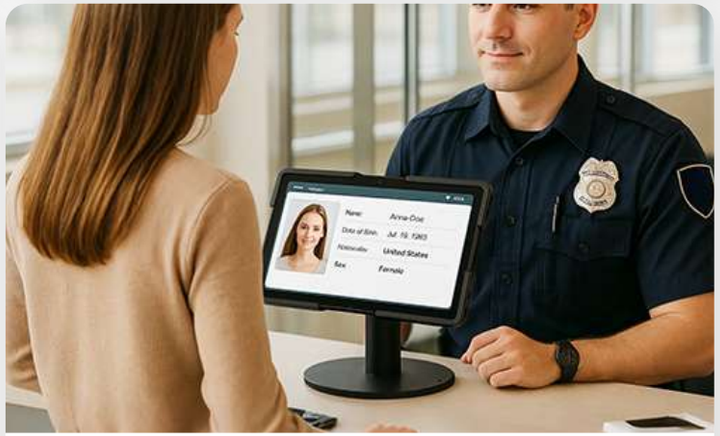
Smart Home Control Center

Retail and Hospitality POS Systems

Public Donation Stations

Interactive Learning Terminals in Education

Health Monitoring Terminals in Healthcare



Public Services Information and Service Terminals

Model: L1083D

Product Detail

pretech
www.pretech-e.com

High-Definition Display

Tablets with Facial NFC for Tap-to-Pay

Long Battery Life Support

Specification

CPU
Spreadtrum:SC9863A/T310/T606/T616/T610
MTK:MT8788/MT8183/MT8768/MT8766/MT8168
RK3562
Allwinner A523

OS
Android 15

Screen
10.1 inch 1280 x 800 IPS(1920 x 1200 optional)

RAM
4GB/6GB/8GB

Storage
64GB/128GB/256GB

Wi-Fi/Bluetooth
WiFi 802.11 ac/b/g/n;BT5.0; GPS+FM

LTE
FDD B1/3/5/7/8/20,B2/4/7/17/28 Optional
TDD B38/40 Optional

Camera
Front 2/5MP FF;Rear 5/8/13MP AF

Speaker
2 x Box Speakers

Support
Earphone;FM;G-sensor;Type-C;keyboard;
light sensor/proximity sensor;NFC optional

Battery
6000mAh/3.8V

Dimensions
241 x 160 x 8mm

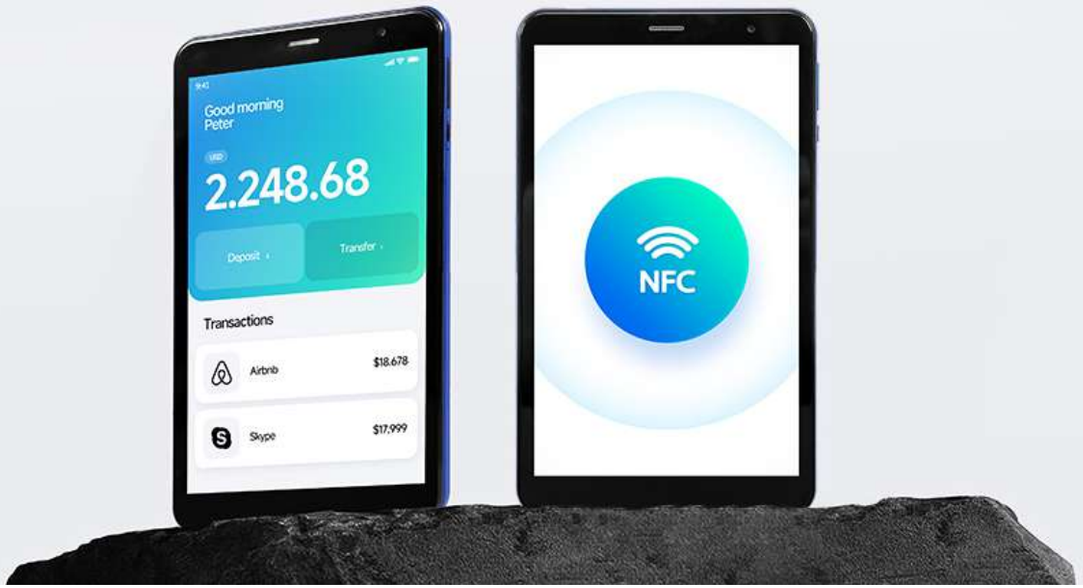
Battery
6000mah/3.8V Maximum

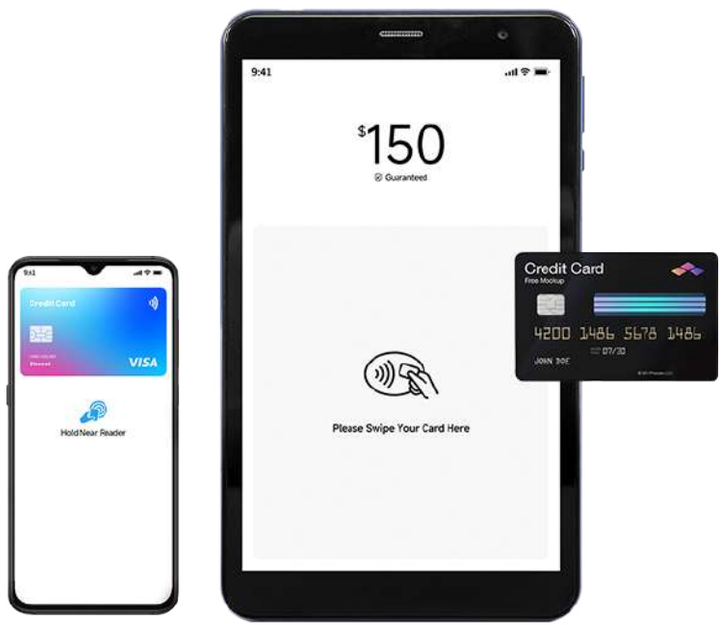
Weight
430g

pretech
www.pretech-e.com

NFC 8-inch

Model:863B





8-inch NFC Tablet

The L863B is an 8-inch entry-level tablet designed with affordability and essential features. It runs on Android 14 and is upgradeable to Android 15, featuring an Octa Core processor with 4 × A53 2.0 GHz + 4 × A53 1.5 GHz for reliable performance. The tablet supports facial NFC for tap-to-pay functionality, enhancing security and convenience.

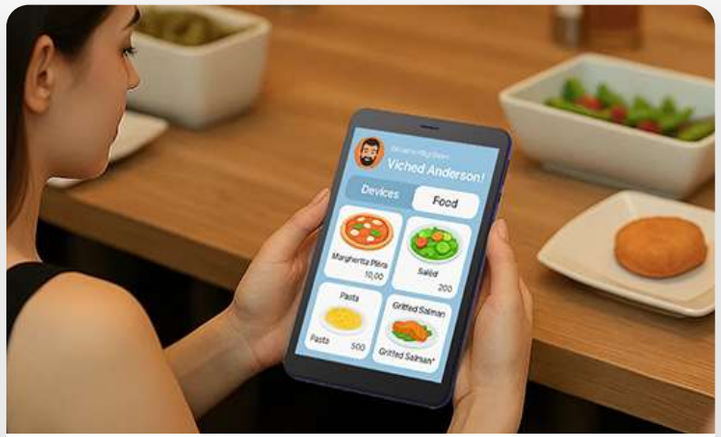
Model: 863B

Industrail Applications

pretech
www.pretech-e.com

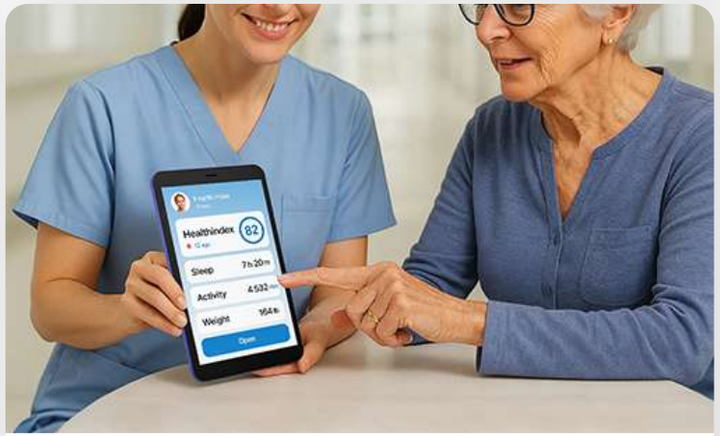
Smart Home Control Center

Retail and Hospitality POS Systems



Mobile Payment and Electronic Menu for Restaurants

Interactive Learning Terminals in Education



Health Monitoring Terminals in Healthcare

Public Services Information and Service Terminals

Model: 863B

Product Detail

pretech
www.pretech-e.com

ODM Support

NFC Support

NFC to tap-to-pay

Specification

CPU
T616 2x A75 2.0GHz + 6x A55 1.8GHz
T606 2x A75 1.6GHz + 6x A55 1.6GHz
T310 1x A75 2.0Ghz + 3x A55 1.8GHz
SC9863A 8x A55 1.6GHz
SC9832E 4x A53 1.4GHz
SC7731E 4x A7 1.3GHz
MT8183 4x A73 2.0GHz + 4x A53 2.0GHz
MT8768 8x A53 2.0GHz
MT8766 4x A53 2.0GHz
MT8765 4x A53 1.3-1.5GHz
MT8321 4x A7 1.3GHz
MT8168 4x A53 2.0GHz
RK3566 4x A55 1.8GH

OS
Android 15

Screen
8" 800 x 1280 IPS G+P/G+G

RAM
2GB/3GB/4GB

Storage
32GB/64GB/128GB

LTE
FDD B1/3/5/7/8/20, B2/4/7/17/28 Optional
TDD B38/40 Optional

Camera
Front 0.3/2MP, Rear 2/5MP

Speaker
Single Box Speakers

Support
FM, G-sensor, USB Type C, Compass/
Light/Proximity/Gyro sensor Optional

Wi-Fi/Bluetooth
WiFi 802.11 (ac)/(a)/b/g/n; BT4.0(5.0)

Battery
4000mAh/3.7V

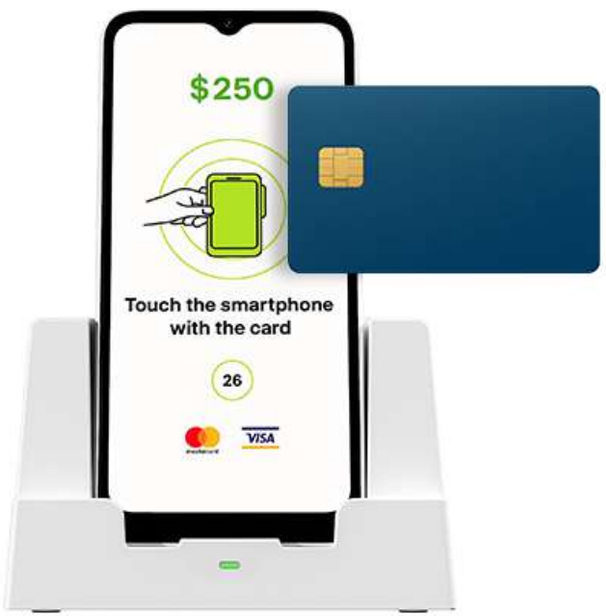
Dimensions
Front 0.3/2MP, Rear 2/5MP

Weight
340g

pretech
www.pretech-e.com

NFC 6.5-inch with Charging Dock

Model:651G



6.5-inch NFC Android Smartphone with Charging Dock

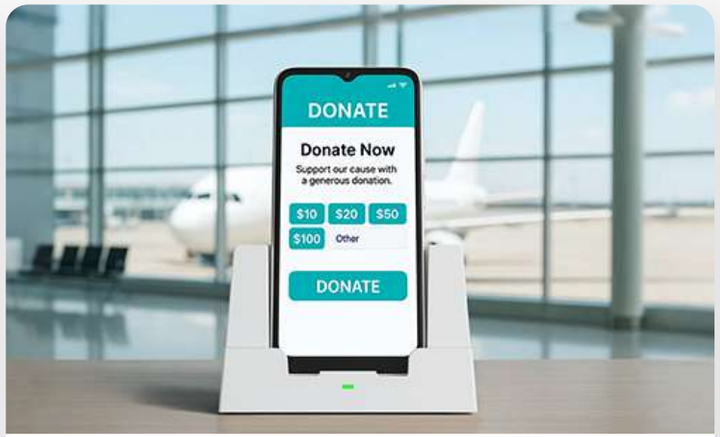
Pretech 6.5-inch NFC smartphone with charging dock is particularly well-suited for applications requiring a stable and convenient setup, such as mobile sales points, public donation stations, hotel self-service kiosks, information kiosks, and logistics tracking devices. It offers a reliable solution for these industries, enhancing operational efficiency and user convenience.

Model: 651GD

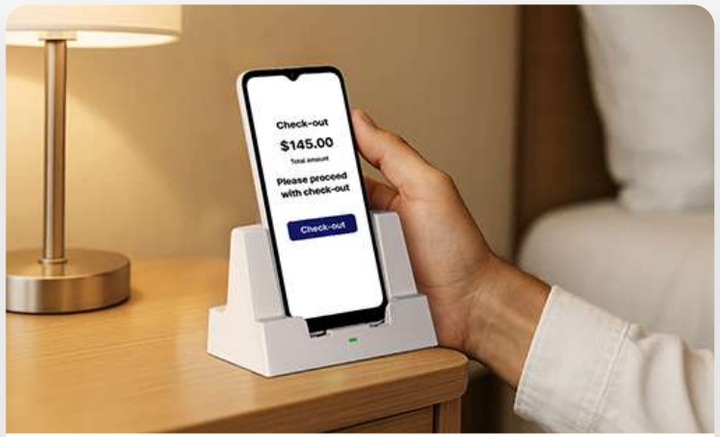
Industrail Applications

pretech
www.pretech-e.com

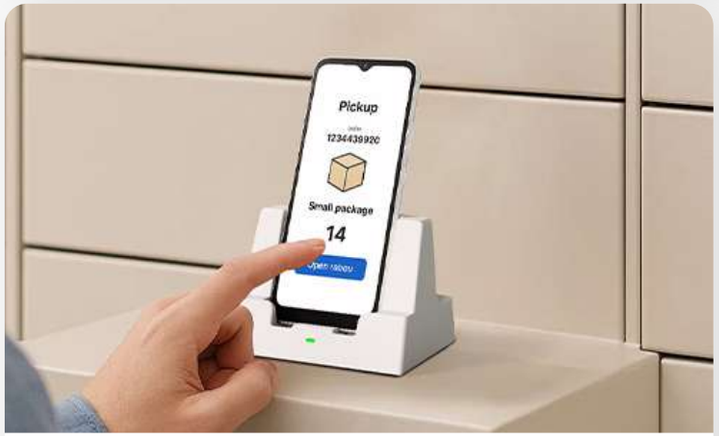
6.5-inch NFC Smartphone
ODM Solutions



Public Donation Station
with 6.5-inch NFC Smartphone



Hotel Self-Service Kiosk Using
6.5-inch NFC Smartphone



Simple Information Kiosk
with 6.5-inch NFC Smartphone

Logistics Tracking Device
with 6.5-inch NFC Smartphone

Model: 651GD

Product Detail

pretech
www.pretech-e.com

6.5-inch HD Incell display with NFC module under screen

NFC Module Support

Charging Dock Support

Specification

CPU
SC9863A 8 x A55 1.6GHz
T606 2 x A75 1.6GHz + 6 x A55 1.6GHz
T616 2 x A75 2.0GHz + 6 x A55 1.8GHz

OS
Android 15

Screen
6.517" 720 x 1600 Incell HD,
Water-hole Display, 5 Points Touch

RAM
4GB/6GB/8GB

Storage
128GB/256GB

Wi-Fi/Bluetooth
WiFi 802.11 ac/b/g/n;BT5.0

LTE
FDD B1/B3/B5/B7/B8/B20/B28AB
TDD B40/B41

Camera
Front 24MP FF
Rear 48MP AF+5MP Wide Camera+2MP Marco Camera

Support
GPS,Dual SIM/TF Card, OTG, Gravity Sensor,
Ambient Light Sensor, Proximity Sensor, NFC Support

Battery
4650mAh Polymer

Dimensions
167 x 77 x 9.5mm

Weight
198g

pretech
www.pretech-e.com

NFC 6.5-inch

Model:651G

6.5-inch NFC Android Smartphone Embedded Solutions

Pretech 6.5-inch NFC smartphone is highly versatile for embedded applications in various industries. It can be seamlessly integrated into industrial equipment control, medical equipment monitoring, intelligent transportation systems, smart home control, and security monitoring systems. The NFC functionality of the smartphone provides quick and efficient connectivity and control, making it an ideal choice for embedded applications where portability and direct interaction are key requirements.

Model: 651G

Industrail Applications

pretech
www.pretech-e.com

Industrial Automation Control Panel with 6.5-inch NFC Smartphone

Smart Medical Diagnostic Equipment with 6.5-inch NFC Smartphone

Intelligent Traffic Signal Controller with 6.5-inch NFC Smartphone

Smart Home Control Device with 6.5-inch NFC Smartphone

Security Access Control System with 6.5-inch NFC Smartphone

Model: 651G

Product Detail

pretech
www.pretech-e.com

6.5-inch HD Incell display with NFC module under screen

NFC Module Support

Charging Dock Support

Specification

CPU
SC9863A 8 x A55 1.6GHz
T606 2 x A75 1.6GHz + 6 x A55 1.6GHz
T616 2 x A75 2.0GHz + 6 x A55 1.8GHz

OS
Android 15

Screen
6.517" 720 x 1600 Incell HD,
Water-hole Display, 5 Points Touch

RAM
4GB/6GB/8GB

Storage
128GB/256GB

Wi-Fi/Bluetooth
WiFi 802.11 ac/b/g/n;BT5.0

LTE
FDD B1/B3/B5/B7/B8/B20/B28AB
TDD B40/B41

Camera
Front 24MP FF
Rear 48MP AF+5MP Wide Camera+2MP Marco Camera

Support
GPS,Dual SIM/TF Card, OTG, Gravity Sensor,
Ambient Light Sensor, Proximity Sensor, NFC Support

Battery
4650mAh Polymer

Dimensions
167 x 77 x 9.5mm

Weight
198g

pretech
www.pretech-e.com

IOT Solutions

5.5-inch
Wall-mount Tablets

WP30
WP31
WP32

8-inch
Wall-mount Tablets

WP801

10.1-inch
Wall-mount Tablets

WP101/WP103
WP104

pretech
www.pretech-e.com

NFC 5-inch

Model:WP30

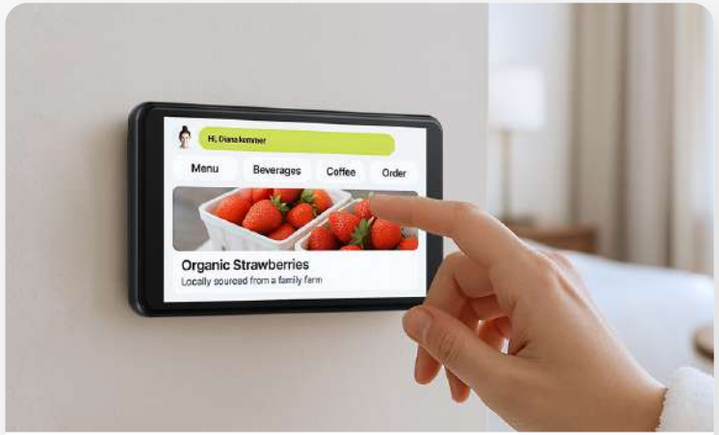
Wall-mounted POE Tablet PCs for Hotel

Designed to revolutionize hotel quest interaction and bring you a cutting-edge hote experience, our in-room tablet solutions come in 5 5" Android tablets. These hotel tablets combine the functionality of a hotel appliance remote control into one strean ined device. Equipped with Ethernet and power POE ports, they serve as a smart dis play and control platform that intearates seamlesslyinto any hotel room setting. Our high-quality IoTtablets offer advanced features such as a 40cm proximity wake-up sensor, Type-C interface, facial recognition NFC, and wall-mounting options. Perfect for luxury hotels and commercial venues, this solution improves quest convenience and operational efficiency.

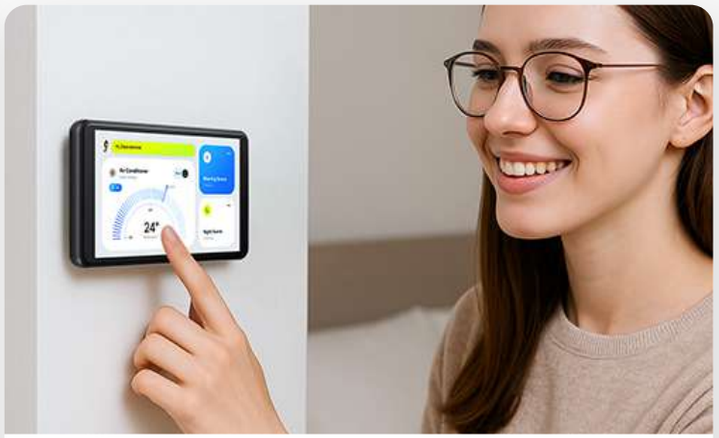
Model: WP30

Industrail Applications

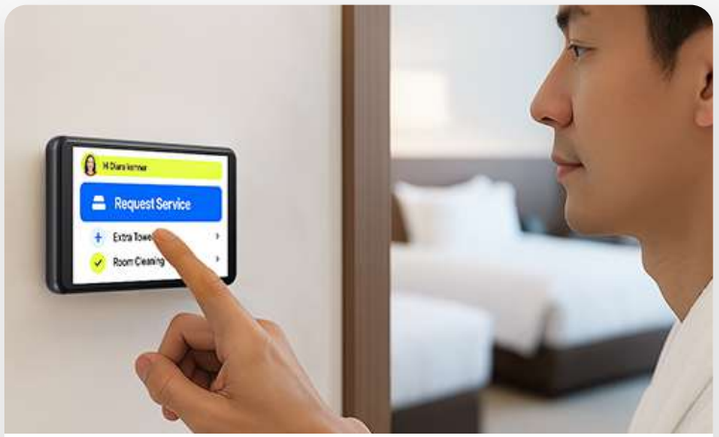
pretech
www.pretech-e.com



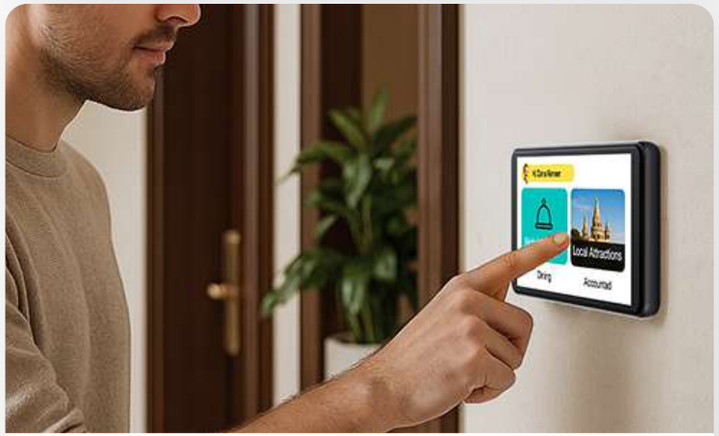
Streamline Room Service Orders



Personalized Room Controls

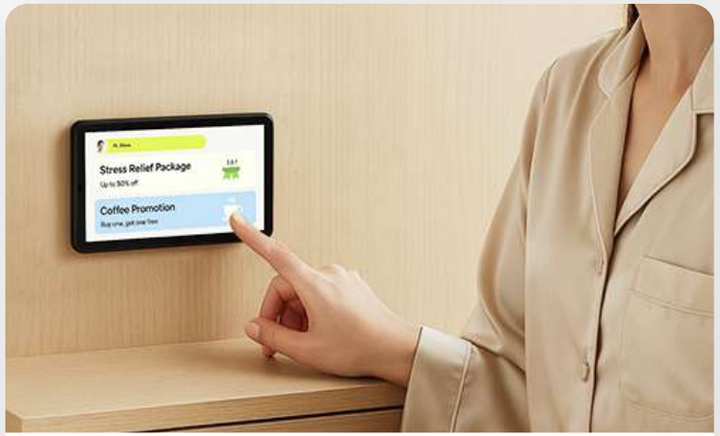


Facilitate Guest Requests



Enable Seamless Check-In/Out

Enable Seamless Check-In/Out



Enhance Entertainment Options

Model: WP30

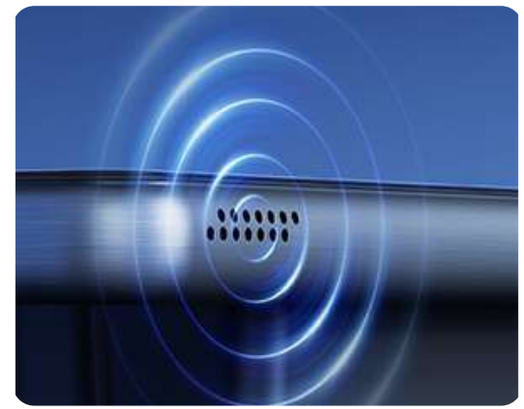
Hardware Features

pretech
www.pretech-e.com

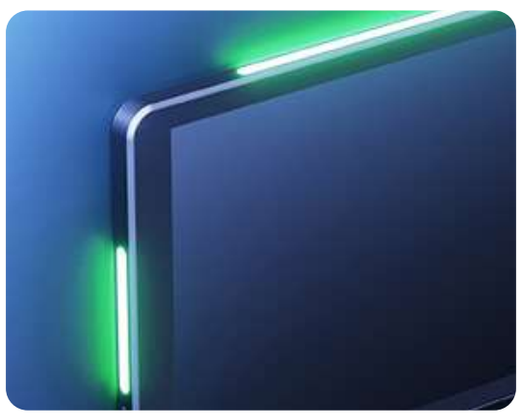
Anti-Oil Surface

Optional Front Camera or Expansion Port Camera

Air Humidity and Temperature Sensing

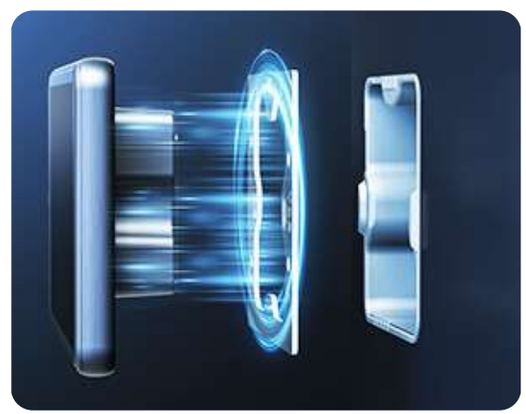


Support for Various Room Configurations



Dual Light Bar Support

Waterproof Design



Magnetic Design

5-inch

Model: WP30

Product Detail

pretech
www.pretech-e.com

5.5 inch Display

Support UK Box

Support POE RS485 and RJ12

Specification

CPU
MT8768 4 x Arm Cortex-A53, 2.0 GHz
+4 x Arm Cortex-A53, 1.5 GHz

OS
Android 15 Google GMS

Screen
5.5" FHD 1920 x 1080 Panda Cover G+F+F

RAM
4GB

Storage
64GB

Wi-Fi/Bluetooth
WIFI ac a/b/g/n, BT5.0

LTE
NA

Camera
NA

Support
Support 30CM distance sensing wake-up;
With gravity sensing),

Battery
NA

Dimensions
143.66 x 80.66 x 9.95mm

Weight
205g

I/O
RJ45: PoE Power Supply 48V~53V + Ethernet;
RJ12: RS485 + Power Supply 12V~24V;
USB TYPE C

pretech
www.pretech-e.com

NFC 5-inch

Model:WP31

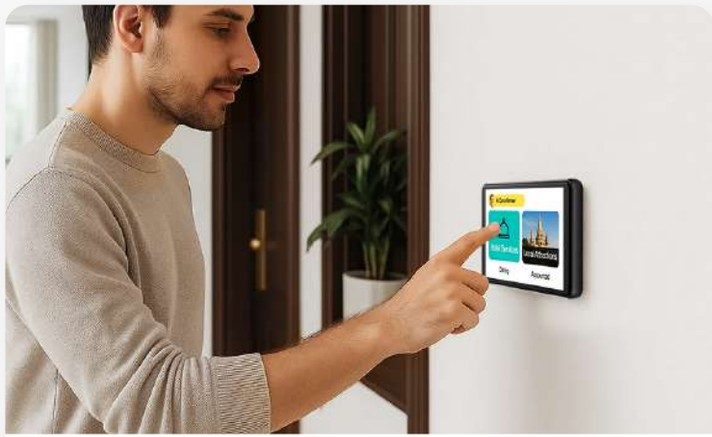
5.5-inch POE Android Wall-mounted Table ODM Solutions

Our manufacturing capacity supports the production of a wide range of high-quality electronic devices, including tablet PCs, mobile phones, laptops and netbooks. With 8 advanced production lines and a 12000 SQM factory, we specialize in scalable ODM/OEM solutions that deliver fast turnaround times and precision-crafted products tailored to meet the specific needs of clients in diverse industries.

Model: WP31

Industrail Applications

pretech
www.pretech-e.com



Smart Hotel - Room Control and Service Call

Retail and Catering - Self-Ordering and Electronic Price Tags

Medical Care - Ward Information Terminal

Outdoor Display, Public Information Inquiry, Smart Community-Information Display and Inquiry

Industrial Automation Machine Monitoring and HMI Interaction

Agriculture - Greenhouse Environment Data Collection

Model: WP31

Hardware Features

pretech
www.pretech-e.com

POE Power Supply

RJ12 Interface with RS485 Function

Anti-Glare AG Screen

POE Power Supply

High-Brightness Screen (500nit)

50cm Proximity Sensing

NFC Functionality

Magnetic Design

Model: WP31

Product Detail

pretech
www.pretech-e.com

US Standard Box Compatibility

European Standard Box Compatibility

UK Standard Box Compatibility

White POE Tablet PCs for US Systems

White POE Tablet PCs for European Electrical Systems

White ID POE Tablet PCs for UK Electrical Standards

Specification

CPU
4 x Arm Cortex-A53, 2.0 GHz
+4 x Arm Cortex-A53, 1.5 GHz

OS
Android 15 Google GMS

Screen
5.5" FHD 1920 x 1080 Panda Cover G+F+F

RAM
4GB

Storage
64GB

Wi-Fi/Bluetooth
WIFI ac a/b/g/n, BT5.0

LTE
NA

Camera
NA

Speaker
Single Speaker

Support
Support 50CM distance sensing wake-up; With gravity sensing

Battery
NA

Weight
205g

I/O
RJ45: PoE Power Supply 48V~53V + Ethernet;
RJ12: RS485 + Power Supply 12V~24V; (With a standard RJ45 network cable, you can also access the Ethernet network)
USB TYPE C: (If there is no PoE, and only RJ45 carries the network, you can use a TYPE C + RJ45 interface to use simultaneously);

Dimensions
143.66 x 80.66 x 9.95mm

5.5-inch POE Wall-mounted Tablets Overview

pretech
www.pretech-e.com

US box UK box

5.5-inch

WP30

US box UK box EU box

5.5-inch

WP31

US box UK box EU box

5.5-inch

WP32

	WP30	WP31	WP32
CPU	MT8768 4 x Arm Cortex-A53, 2.0 GHz +4 x Arm Cortex-A53, 1.5 GHz	4 x Arm Cortex-A53, 2.0 GHz +4 x Arm Cortex-A53, 1.5 GHz	MT8768 Octa core 2.0Ghz
OS	Android 15 Google GMSA	Android 15 Google GMS	Android 15 Google GMS
Screen	5.5" FHD 1920 x 1080 Panda Cover G+F+F	5.5" FHD 1920 x 1080 Panda Cover G+F+F	5.5inch FHD 1920*1080 IPS, Capacitive G+FF
RAM	4GB	4GB	4GB
Storage	64GB	64GB	64GB
Wi-Fi/Bluetooth	WIFI ac a/b/g/n, BT5.0	WIFI ac a/b/g/n, BT5.0,	WIFI ac a/b/g/n, BT5.0,
LTE	NA	NA	NA
Camera	NA	NA	Option
Support	Support 30CM distance sensing wake-up; With gravity sensing),	Support 50CM distance sensing wake-up; With gravity sensing	Support 50CM distance sense wake up; Temperature and humidity sensor; Gravity sensor; Support 5.8G Millimeter Wave Radar; Support Thread/Zigbee; Support NFC.
I/O	RJ45: PoE Power Supply 48V~53V + Ethernet; RJ12: RS485 + Power Supply 12V~24V; (With a standard RJ45 network cable, you can also access the Ethernet network) USB TYPE C: (If there is no PoE, and only RJ45 carries the network, you can use a TYPE C + RJ45 interface to use simultaneously);	RJ45: PoE Power Supply 48V~53V + Ethernet; RJ12: RS485 + Power Supply 12V~24V; (With a standard RJ45 network cable, you can also access the Ethernet network) USB TYPE C: (If there is no PoE, and only RJ45 carries the network, you can use a TYPE C + RJ45 interface to use simultaneously);	RJ45: PoE Power Supply 48V~53V + Ethernet; RJ12: RS485 + Power Supply 12V~24V; (With a standard RJ45 network cable, you can also access the Ethernet network) USB TYPE C: (If there is no PoE, and only RJ45 carries the network, you can use a TYPE C + RJ45 interface to use simultaneously);
Battery	NA	NA	NA
Dimensions	143.66 x 80.66 x 9.95mm	143.66 x 80.66 x 9.95mm	243 x 152 x 10mm
Weight	205g	205g	

pretech
www.pretech-e.com

NFC 8-inch

Model:WP801

8-inch POE Wall-Mounted Tablet for Smart Solutions

Pretech WP801 is an 8-inch POE wall-mounted tablet designed for smart home and business applications. It features an 8-inch IPS display (800x1280 resolution) with brightness of 300cd/m² and equal-width black borders. The tablet is powered by an MT8768X processor with 4GB RAM and 64GB storage. It includes a front-facing 5MP camera (supporting up to 13MP), ambient light sensor, long-range proximity sensor (40cm), and dual box speakers. The tablet supports 4G, NFC, WiFi 5, BT 5.0, and temperature/humidity sensors. It also features Type-C (supporting PD protocol), RS485 serial port (RJ12), and PoE (RJ45) connectivity options. Additionally, it supports Thread/Matte/Zigbee/Z-wave protocols for smart home integration.

Model: WP801

Industrail Applications

pretech
www.pretech-e.com

POE Tablets for Home Automation Solutions

POE Tablets for Industrial Environmental Monitoring Solutions

POE Tablets for Conference Room Booking and Office Automation Solutions

POE Tablets for Retail Store Management Solutions

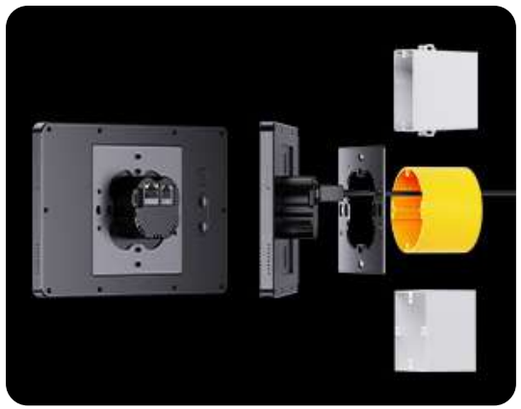
POE Tablets for Healthcare Monitoring Solutions

POE Tablets for Classroom Management Solutions

Model: WP801

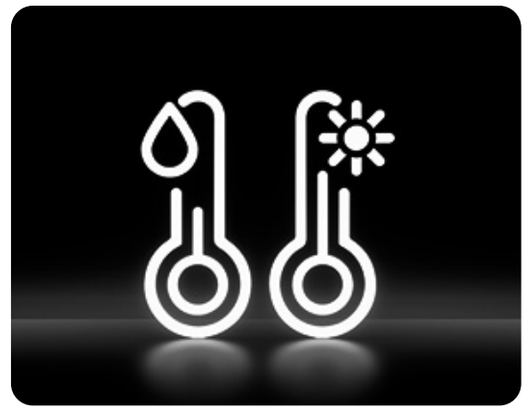
Hardware Features

pretech
www.pretech-e.com



POE Connectivity

Front NFC Support



Temperature and Humidity Sensors

LTE and WCDMA Support

High-Definition Display

Supports a brightness of 300cd/m²

Advanced Sensors

Front Camera up to 13MP

Model: WP801

Product Detail

pretech
www.pretech-e.com

UK Standard Box Compatibility

European Standard Box Compatibility

US Standard Box Compatibility

Specification

CPU
MT8768X,8 core,Cortex-A53,2.2GHz,12nm

OS
Android

Screen
8" HD 1280 x 800 IPS, Capacitive G+FF

RAM
4GB LPDDR4

Storage
64GB eMMC

Wi-Fi/Bluetooth
IEEE 802.
11ac/a/b/g/n 2.4GHz&5GHz, BT5.0,

LTE
B1/B3/B5/B7/B20

Camera
5MP/8MP/13MP(optional)

Serial Communication
Thread/Zigbee 3.0/Matter (optional),
Z-wave 700 (optional),
Z-wave 800（optional）

Speaker
Box speakers 8Ω/1.0W x 2

Battery
NA

Dimensions
200.5 x 132 x 33.4mm

Support
Active and passive Peer-to-Peer:ISOIEC 18092-NFCIP-1 Initiator&Target
Passive mode-Reader/Writer:NFC Forum Type 1/2/3/4/5 tags
Active mode-Card Emulation:ISO/IEC 14443 Type A&B

Support
1 x USB-C(data)
2 x Nano SIM or Nano SIM+MicroSD
RS485: 1 x RJ12(24V in)
RJ45: 1 x 100M,PoE(15W)

pretech
www.pretech-e.com

NFC 10.1-inch

Model:WP101/WP103

10.1-inch POE Tablet PC Advanced IOT Solution for Smart IOT Control Solution

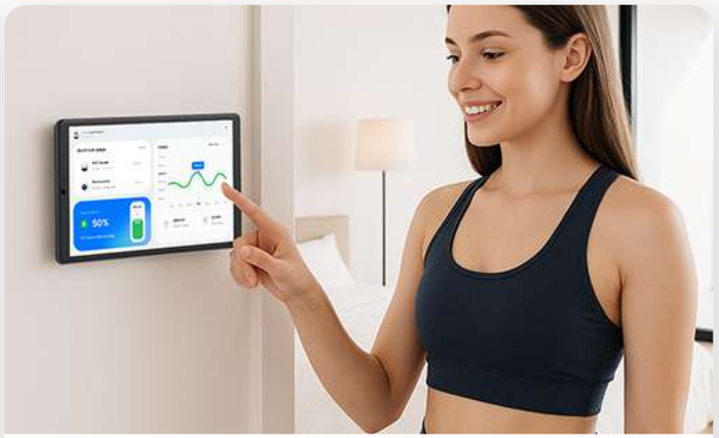
The 10.1-inch POE tablet PC is designed to enhance the wall control experience with its 10.1-inch FHD display and powerful MT8768 processor running Android OS with Google GMS. With 4G+64GB storage, it offers seamless connectivity and ample space for applications. Equipped with dual speakers, a 50cm proximity wake-up sensor, and optional NFC, this tablet is perfect for modern hotel rooms. Its POE capabilities allow for easy installation without the need for additional power outlets.

Model: WP101/WP103

Industrail Applications

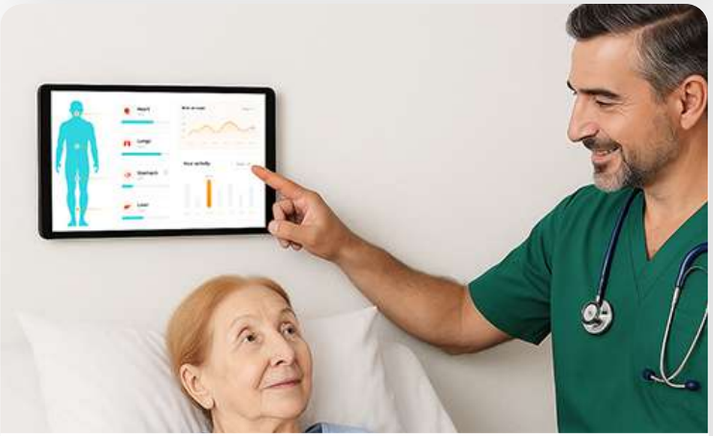
pretech
www.pretech-e.com

POE Tablets: Versatile Smart Devices for Diverse Applications



Smart Home Control

Commercial Automation



Healthcare

Education

Industrial Automation

Model: WP101/WP103

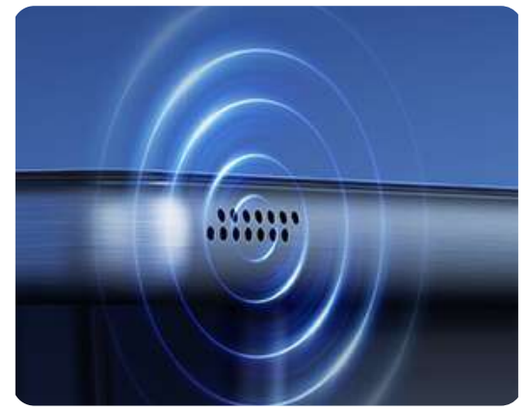
Hardware Features

pretech
www.pretech-e.com

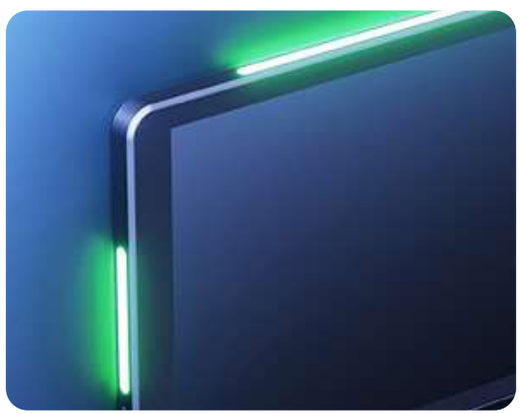
Anti-Oil Surface

Optional Front Camera or Expansion Port Camera

Air Humidity and Temperature Sensing

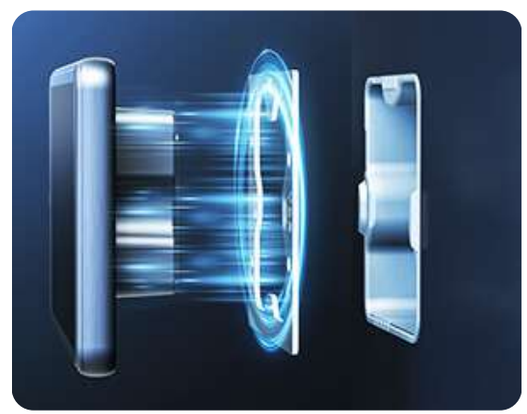


Support for Various Room Configurations



Dual Light Bar Support

Waterproof Design



Magnetic Design

10.1-inch

Model: WP101/WP103

Product Detail

pretech
www.pretech-e.com

Display Size

10.1-inch FHD 1920 x 1200 display with G+F+F technology for clear and vibrant visuals.

Connectivity Options

Supports POE, RJ12, and USB-C for flexible power and data connectivity.

Audio and Sensors

Equipped with dual speakers and sensors for humidity, temperature, and gravity detection.

Specification

CPU
MT8768 4 x Arm Cortex-A53, 2.0 GHz
+4 x Arm Cortex-A53, 1.5 GHz

OS
Android 14 Google GMSA

Screen
10.1" FHD 1920 x 1200 G+FF

RAM
4GB

Storage
64GB

Wi-Fi/Bluetooth
WIFI ac a/b/g/n, BT5.0

LTE
NA

Camera
Option

Support
Support 50CM distance sense wake up;
Temperature and humidity sensor;
Gravity sensor;

Battery
NA

Dimensions
243 x 152 x 10mm

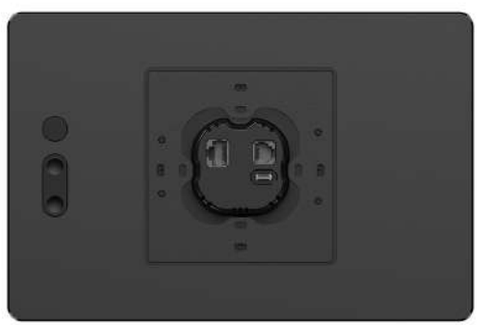
I/O
RJ45: PoE Power Supply 48V~53V + Ethernet;
RJ12: RS485 + Power Supply 12V~24V; (With a standard RJ45 network cable, you can also access the Ethernet network)
USB TYPE C: (If there is no PoE, and only RJ45 carries the network, you can use a TYPE C + RJ45 interface to use simultaneously);

Weight
548g

pretech
www.pretech-e.com

POE 10.1-inch

Model:WP104



10.1-inch POE Tablet PC Advanced IOT Solution

The 10.1-inch POE Tablet is a cutting-edge IoT device designed to revolutionize wall control experiences. With its 10.1-inch FHD display and Android OS with Google GMS, it offers a seamless and intuitive user interface. The tablet's 4G+64GB storage ensures ample space for applications and smooth connectivity. Equipped with dual speakers, a 50cm proximity wake-up sensor, and optional NFC, the 10.1-inch POE Tablet enhances convenience and security. Its POE capabilities simplify installation by eliminating the need for additional power outlets. Whether in hospitality, commercial spaces, or smart homes, the 10.1-inch POE Tablet provides a versatile and efficient control solution.

Model: WP104

Industrail Applications

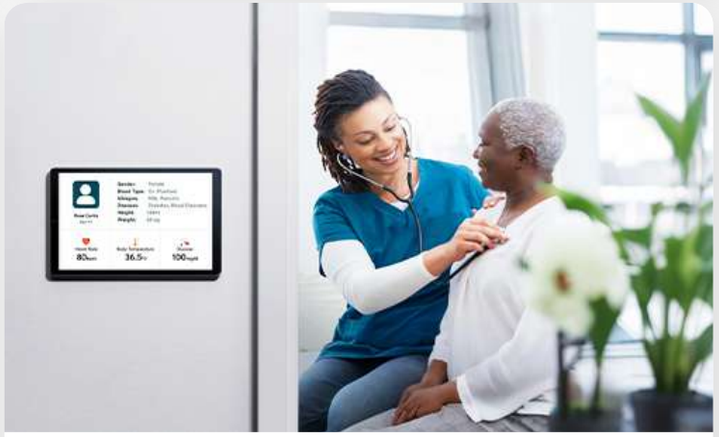
pretech
www.pretech-e.com

Smart Office: Meeting Booking Equipment Central Control

Smart Home/Hotel: Lighting/Air Conditioning/Curtain Control

Industrial Automation: Equipment Monitoring, HMI Interaction

Retail: Advertising Playback, Self-Service Payment



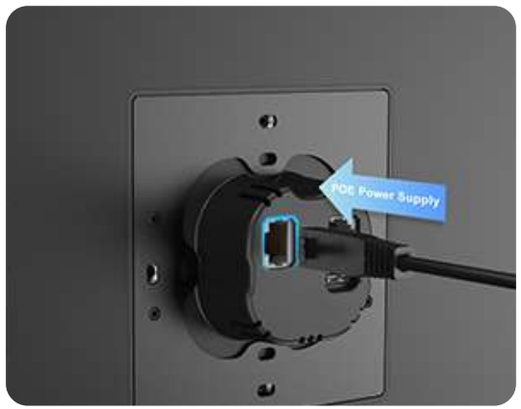
Medical: Nurse Station Terminal Environmental Monitoring

Agriculture: Greenhouse Environmental Data Collection

Model: WP104

Hardware Features

pretech
www.pretech-e.com



RJ45 POE Interface

RJ12 Interface with RS485 Function

NFC

Zigbee 3.0

USB Type C

Magnetic Design

10.1-inch Display

Anti-Fingerprint Screen

Model: WP104

Product Detail

pretech
www.pretech-e.com

European Box Compatibility

US Box Compatibility

UK Box Compatibility

Specification

CPU
4 x Arm Cortex-A53, 2.0 GHz
+4 x Arm Cortex-A53, 1.5 GHz

OS
Android 15 Google GMS

Screen
10.1" FHD 1920 x 1200 G+FF

RAM
4GB

Storage
64GB

Wi-Fi/Bluetooth
WIFI ac a/b/g/n, BT5.0

LTE
NA

Camera
Option

Support
Support 50CM distance sense wake up;
Temperature and humidity sensor;
Gravity sensor;
Support 5.8G Millimeter Wave Radar;
Support Thread/Zigbee;
Support NFC.

Battery
NA

Dimensions
243 x 152 x 10mm

I/O
RJ45: PoE Power Supply 48V~53V + Ethernet;
RJ12: RS485 + Power Supply 12V~24V; (With a standard RJ45 network cable, you can also access the Ethernet network)
USB TYPE C: (If there is no PoE, and only RJ45 carries the network, you can use a TYPE C + RJ45 interface to use simultaneously);

Weight
548g

8-inch 10.1-inch POE Wall-Mounted Tablets Overview

pretech
www.pretech-e.com

USB-C 2.0 POE(RJ45) RJ12(RS485)

US box UK box EU box

POE(RJ45) USB-C 2.0 RJ12(RS485)

UK box

RJ12(RS485) USB-C 2.0 POE(RJ45)

US box UK box EU box

8-inch
WP801

10.1-inch
WP101

10.1-inch
WP104

	WP801	WP101/WP103	WP104
CPU	MT8768X,8 core,Cortex-A53,2.2GHz,12nm	MT8768 4 x Arm Cortex-A53, 2.0 GHz +4 x Arm Cortex-A53, 1.5 GHz	4 x Arm Cortex-A53, 2.0 GHz +4 x Arm Cortex-A53, 1.5 GHz
OS	Android	Android 14 Google GMSA	Android 15 Google GMS
Screen	8" HD 1280 x 800 IPS, Capacitive G+FF	10.1" FHD 1920 x 1200 G+FF	10.1" FHD 1920 x 1200 G+FF
RAM	4GB LPDDR4	4GB	4GB
Storage	64GB eMMC	64GB	64GB
Wi-Fi/Bluetooth	IEEE 802.11ac/a/b/g/n 2.4GHz&5GHz, BT5.0,	WIFI ac a/b/g/n, BT5.0,	WIFI ac a/b/g/n, BT5.0,
LTE	B1/B3/B5/B7/B20	NA	NA
Camera	5MP/8MP/13MP(optional)	Option	Option
Support	Active and passive Peer-to-Peer: ISOIEC 18092-NFCIP-1 Initiator&Target Passive mode-Reader/Writer:NFC Forum Type 1/2/3/4/5 tags Active mode-Card Emulation:ISO/IEC 14443 Type A&B	Support 50CM distance sense wake up; Temperature and humidity sensor; Gravity sensor;	Support 50CM distance sense wake up; Temperature and humidity sensor; Gravity sensor; Support 5.8G Millimeter Wave Radar; Support Thread/Zigbee; Support NFC.
I/O	1 x USB-C(data) 2 x Nano SIM or Nano SIM+MicroSD RS485: 1 x RJ12(24V in) RJ45: 1 x 100M,PoE(15W)	RJ45: PoE Power Supply 48V~53V + Ethernet; RJ12: RS485 + Power Supply 12V~24V; (With a standard RJ45 network cable, you can also access the Ethernet network) USB TYPE C: (If there is no PoE, and only RJ45 carries the network, you can use a TYPE C + RJ45 interface to use simultaneously);	RJ45: PoE Power Supply 48V~53V + Ethernet; RJ12: RS485 + Power Supply 12V~24V; (With a standard RJ45 network cable, you can also access the Ethernet network) USB TYPE C: (If there is no PoE, and only RJ45 carries the network, you can use a TYPE C + RJ45 interface to use simultaneously);
Battery	NA	NA	NA
Dimensions	200.5 x 132 x 33.4mm	243 x 152 x 10mm	243 x 152 x 10mm
Weight		548g	548g

pretech
www.pretech-e.com

Car Infotainment Solutions

11-inch

NFC Tablet PCs for Car Headrest Solution

—

L1108

pretech
www.pretech-e.com

NFC 11-inch

Model:L1108

NFC Tablet PCs for Car Headrest Solution

Designed to revolutionize in-car entertainment and bring a cutting-edge travel experience, pretech car headrest tablet solutions come with an 11-inch display. These tablets combine the functionality of a car entertainment system into one streamlined device, they serve as a smart display and control platform that integrates seamlessly into any vehicle setting. Our high-quality tablets offer advanced features such as facial NFC supporting tap-to-pay, perfect for long trips and commercial vehicles, improving passenger convenience and entertainment options.

Model: L1108

How To Install

pretech
www.pretech-e.com

Custom Car Headrest Player Installation Solution

Tablet Case Attachment

Mounting the Tablet on the Bracket

Securing the Bracket to the Car Headrest

Enjoy Entertainment on the Go and NFC Contactles Payment

Model: L1108

Product Detail

pretech
www.pretech-e.com

Pretech Car Rear Seat NFC Tablets for Next-Gen In-Car Entertainment

Car Rear Seat Tablet Mounting Bracket Secure Mounting for Optimal Viewing

Car Rear Seat Tablet Solutions for Various Car Rear Seats

Specification

CPU
MT6789 2x A76 2.2GHz
+ 6x A55 2.0GHz(G99)

OS
Android 15

Screen
10.95" 1920 x 1200 IPS Incell

RAM
4GB/6GB/8GB

Storage
64GB/128GB/256GB

Wi-Fi/Bluetooth
WiFi 802.11 ac/b/g/n;BT5.0; GPS,FM

LTE
FDD B1/2/3/4/5/7/8/12/13/17/18/19/
20/25/26/28AB/66 Optional
TDD B34/38/39/40/41 Optional

Camera
Front 5MP/8MP FF;Rear 5/8/13MP AF

Speaker
2 x Box Speakers(4 speakers available)

Support
G-sensor;light sensor/proximity sensor;
Gyroscope;PD fast charging

I/O
USB Type C x 1 Earphone x 1
SIM/TF Card Tray Pin pogo x 1

Battery
8000mAh/3.8V Maximum

Dimensions
256 x 168 x 7.45mm

pretech
www.pretech–e.com

Contact Us

Pretech International Co., Limited

Office Add: 808,8F,Qiancheng Commercial Center,5 Haicheng Road, Bao'an District,Shenzhen 518102,China
Phone: +8675523011789
Email: admin@pretech-e.com
Web: www.pretech-e.com