

VOKON Touch Panel [7-inch]

VZ-DC107



Product Overview

VZ-DC107 is a 7-inch embedded central control touch panel equipped with an 800MHz dual-core processor and 1GB memory. It boots in 3 seconds under embedded real-time OS and offers fluent Android-style operation, paired with free design software for drag-and-drop UI layout, offline simulation and fast USB file upload.

It supports DC12–48V wide voltage and PoE power supply, adjustable brightness and timed standby. Built with RTC clock, abundant widgets, password login and pop-up alerts, it realizes scheduled auto-control and real-time device status feedback.

This open platform runs Lua scripts without extra MCU, with 3 serial ports, 4 IR transmitters, 2 IO ports and Ethernet for multi-device TCP/UDP control. Preloaded bilingual fonts and hidden system menus facilitate multi-language use and quick debugging.

Suitable for applications including:

- ✓ Conference rooms & multi-function halls
- ✓ Lecture theatres and campus training classrooms
- ✓ Hotel banquet halls and meeting centers
- ✓ Smart exhibition booths and showrooms
- ✓ Government auditoriums and command control rooms
- ✓ Enterprise smart office spaces
- ✓ Theater and multimedia performance venues
- ✓ Smart campus multimedia classrooms
- ✓ SHigh-end villa intelligent control rooms
- ✓ Medical training multimedia lecture rooms



Key Features

1. 7-inch embedded touch panel with sleek aluminum frame, flush wall-mounted installation for neat interior decoration
2. Equipped with free dedicated design software to customize UI layouts, supporting offline program simulation and pre-testing
3. 800MHz dual-core processor & 1GB memory, embedded real-time OS with only 3-second fast boot, smooth Android-style touch operation
4. Multiple communication ports including LAN, RS485, dual RS232, 4 IR transmit ports and 2 interrupt IO ports for multi-device linkage
5. Wide DC 12–48V voltage & PoE dual power supply, adjustable screen brightness and customizable timed standby mode
6. Built-in RTC clock, abundant visual widgets, password login and pop-up message alerts for scheduled automatic control
7. Open Lua script platform, no extra MCU required to handle logic and private protocol conversion
8. Preloaded Chinese & English multi-size font libraries, hidden quick system setting entry for easy on-site debugging

Technical specifications

Model	VZ-DC107
Display Screen	7-inch IPS 65K true-color LCD, resolution 1024*600, capacitive touch
Operating System	Embedded real-time OS, boot time ≤3s, Android-like UI effect
Processor	800MHz 32-bit high-speed dual-core
Memory	1GB resource memory
RS232 Interface	2 channels
RS485 Interface	1 channel (bidirectional)
IR Infrared Output	4 ports
IO Level Interface	2 ports
Network Port	Built-in universal network port, supports simultaneous TCP/UDP device control
RTC Module	Built-in real-time clock
Script Support	Lua scripting, serial/IO/network interrupt functions for secondary development
Supported Widgets	Dynamic text, image buttons, progress bars, sliders, QR codes, drop-down lists, pop-up message boxes, etc.
Image Format	PNG, JPG and other mainstream formats
Font Library	Built-in Chinese & English fonts: 16×16, 24×24, 32×32
Keyboard	Virtual numeric & character keyboard, Chinese/English input
Power Supply	DC 12–48V wide voltage input / PoE power supply; 1×24V power input terminal
Standby Function	Timed standby (0–60min), touch wake-up, adjustable screen brightness
Security Function	User login password protection
Upload Mode	USB project upload
Physical Dimension (L×W×H)	178.2 × 110 × 13.8 mm