



Ledok iot Cloud Platform Solution

A visualization platform for smart terminals

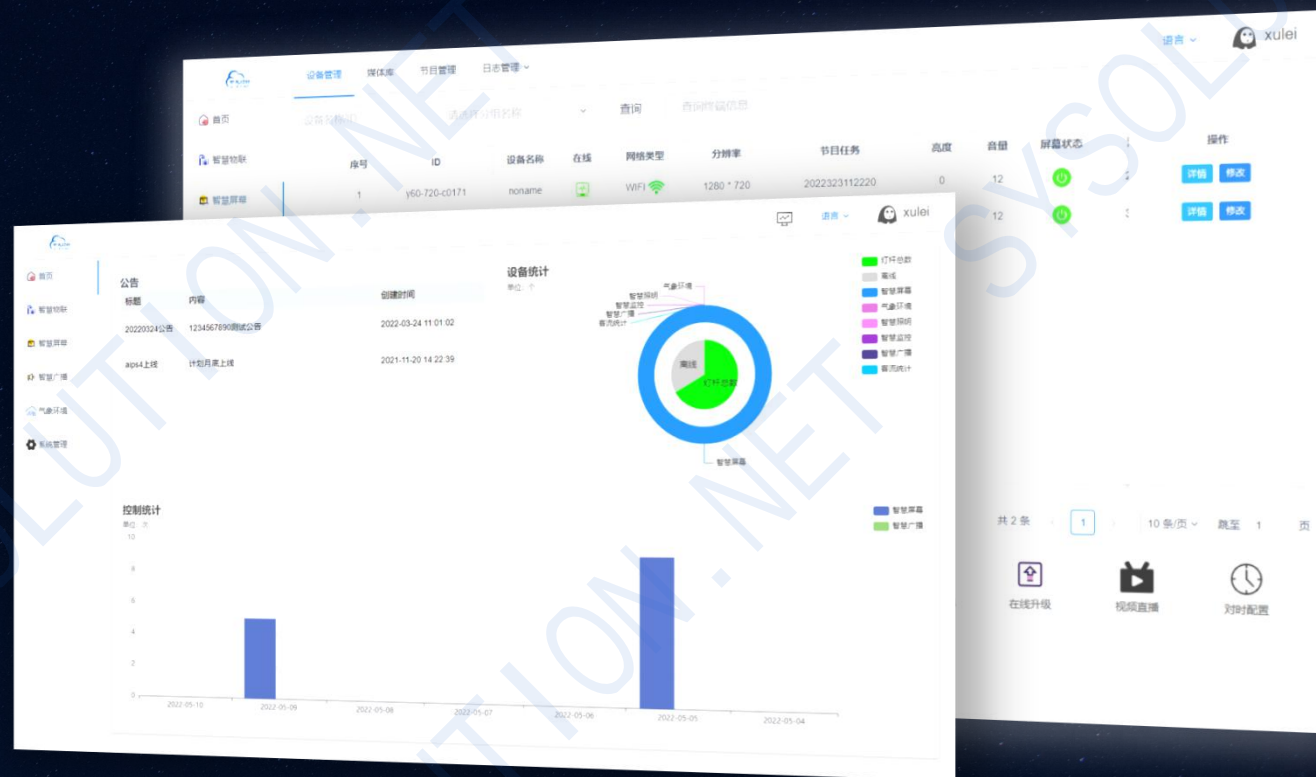
Focus on outdoor digital media and LED industry application solutions
Our target is to create an excellent outdoor digital media system solution in the Internet era, so as to make LED display diversified applications more intelligent, safer and interconnected

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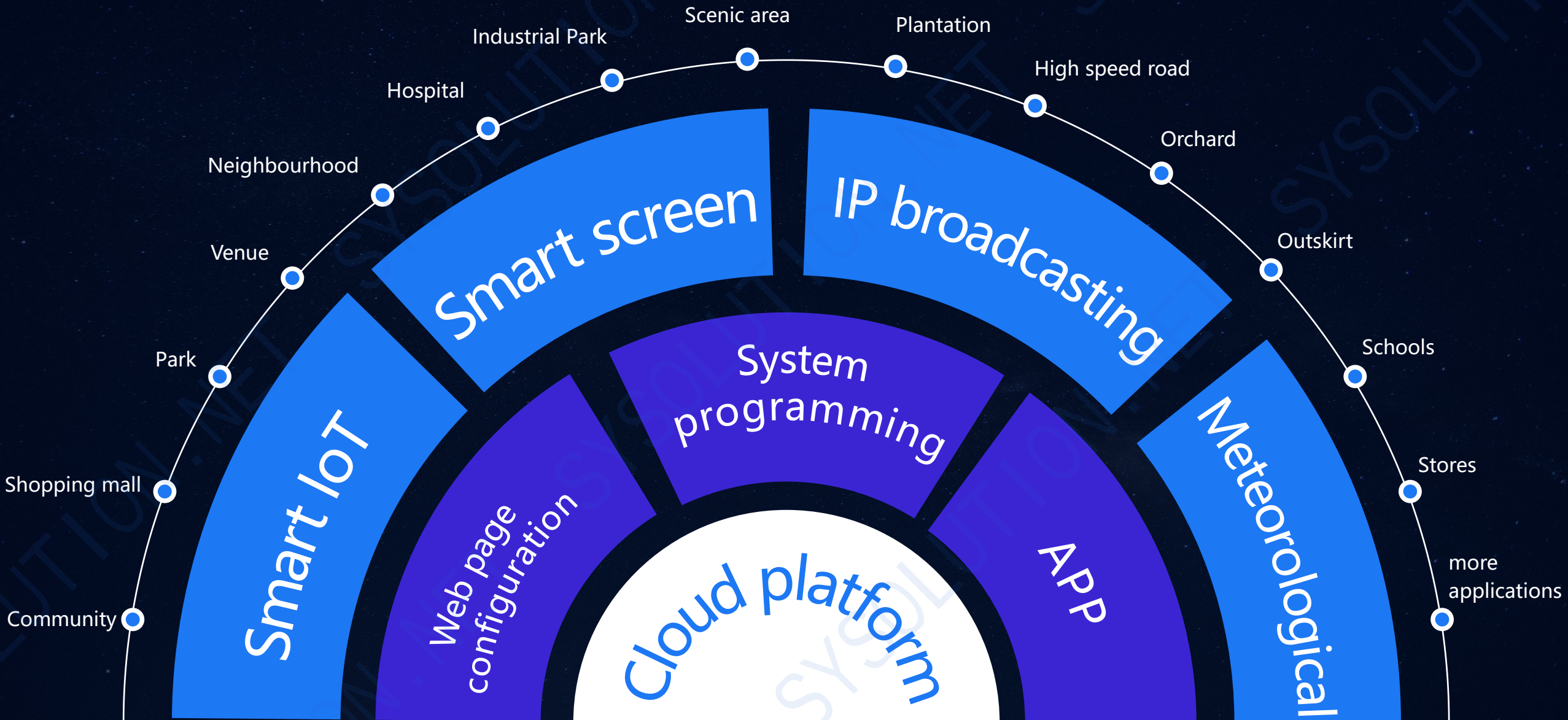
Solution Overview

LEDOK IoT Cloud Platform is designed based on the construction of smart city led lamp post sign IoT management. It integrates with smart IoT, smart screen, smart IP broadcasting, smart meteorological environment, security authentication, user authority, strategy management and other multi-functional smart platforms together, so that can realize remotely control each IoT product content publish. With improving the management,also ensuring the efficiency of operation and maintenance, and contribute to the all-round development of smart city.





Integration Solution Diagram





System Structure Diagram

Xixun Technology has been focusing on urban smart terminal, helping the development of smart city, Response to the policy of "multiple rods in one, one rod with multiple functions".

Smart light poles have the following advantages:

1. LEDOK IoT Cloud Platform, remote cluster control at any time.
2. Intelligent IP sound column broadcasting system.
3. Real time display of professional meteorological environment data.
4. 24-hour online video surveillance.
5. Intelligent lighting dual lamp system.
6. 5g micro base station to create full signal coverage.
7. LED smart screen to publish programs online.
8. One button alarm can quickly prevent the occurrence of special circumstances.



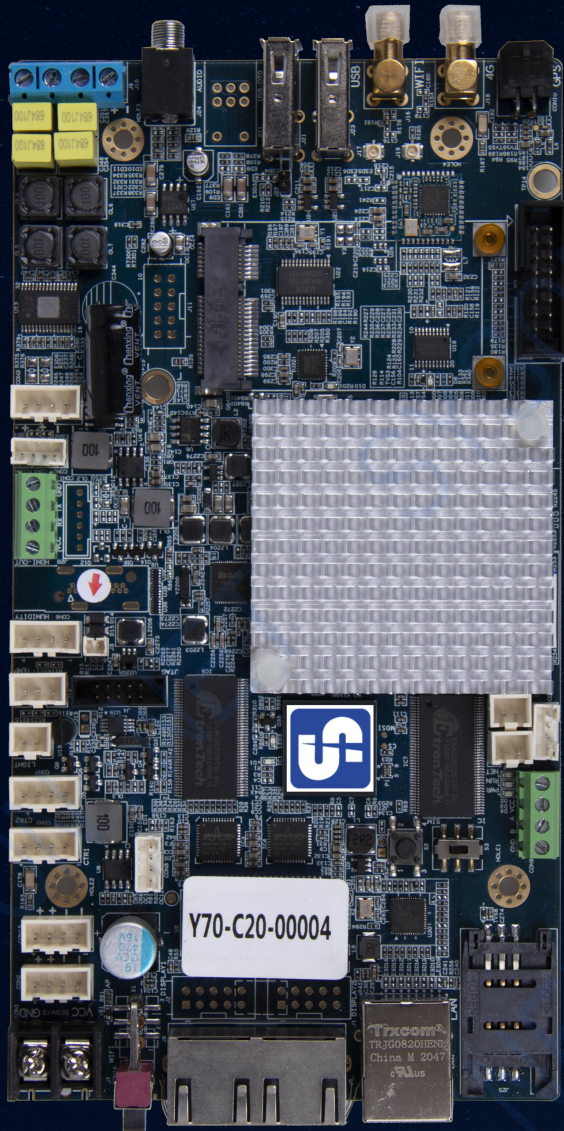


Smart Terminals Hardware

Functions	Devices	Installation Distance	Note
Information publish system	Y50	Install inside of led screen	It shall be arranged in places with large passenger flow and places requiring traffic diversion
	LED Screen	200m-300m	
	Emergency broadcasting IP sound column RG30	20m	
Environment monitor	Eight-in-one sensor R68	2000m	temperature/humidity PM2.5, air pressure noise, wind speed and direction,etc
Monitor system	Camera RP3	300m	Intersections and key areas Select camera type according to requests
	One button alarm/distress panel RQ1	Setup with camera together	
Remote megaphone	Enterprise IP telephone RHH1	Control center	
Light system	Dual lights controller R6B32	35m-50m Install on each led lamp	
Power management system	RM1275	Terminal power input	Check power consumption timely



Android Control System



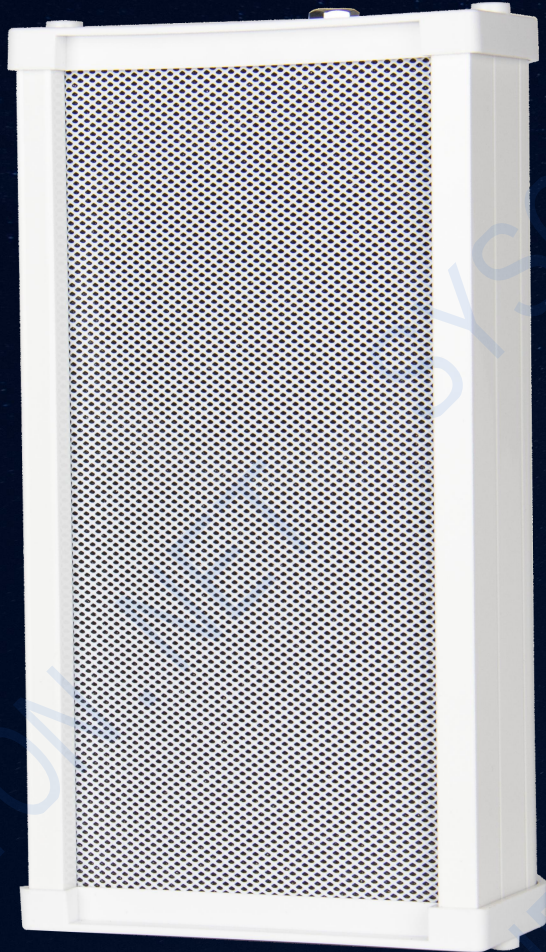
Y70 is a kind of highly integration product with high performance four core Cortex-A17 CPU, operating frequency can achieve to 1.8GHz, with 2G memory and 16GB EMMC, also support synchronous HDMI output signal, which fits for LED business display area, like LED mirror screen, LED ads screen, LED lamp sign and etc.

With the development of LED screen industry, HDMI output monitor, wire internet, 4G, wireless WIFI transmission, remote cluster control and remote by phone are highly required in some are, so Xixun Y70 will perfectly meet those needs.

1. Integrates 33W amplifier left and right sound channels, adjust volume by knob control, No noise interference and less wiring.
2. Support HDMI output.
3. Integrated state secret security chip to ensure the security of information release in hardware.
4. Two ways of remote power cut, support multi-function board to increase to 4 ways, so that separate control the led screen and led lamp light.
5. Support six ways of power supply detection, to detect each power supply working status timely, alarm when bad, easy for maintenance.
6. Support RS485/RS232 port, convenient for connect various sensor.
7. Support 5-12V wide range power voltage.



IP Sound Column



RG30 is an engineering IP sound column promoted by xixun company. 4.5 high fidelity unit speaker, dual frequency unit configuration, high fidelity sound effect, support manual operate or online operate through cloud platform.

Support text-to-speech function through LEDOK IoT platform, remote cluster publishing MP3 audio task, display by schedule, remote megaphone functions and etc,

All aluminum alloy shell, aluminum alloy mesh cover, antifreeze, sunscreen, moisture-proof, rust proof and waterproof

It can be widely used in such kind of scenery : traffic lights inter section, led lamp sign community, super markets, school community, classroom, cafe, park and exhibition and etc.

Item	Parameters		
Type	RG30	RG30-4G	More choices: RG40 (40W) RG50 (50W) RG70 (70W)
Communication	Ethernet port, wifi/AP	No Ethernet port, but has WIFI/AP and 4G(default welding xixun IOT IC, if use in oversea, need reserve SIM slot)	Optional 4G communication mode, see specific specifications



Meteorological System



R68 is designed for smart led lamp post sign industry, highly integration sensor, to measure and monitor environment temperature, humidity, wind speed, wind direction, brightness, noise, PM2., PM10 parameters. To realize 24-hour online detecting outdoor meteorological parameters, to send all parameters to users at one time through digital communication interface.

Air quality monitoring Micro Station fits for urban grid environmental monitoring and control, smart led lamp, Environmental monitoring of scenic spots, factories or mining are, Monitoring of dust quality in public places such as construction sites and highways.

1. Monitoring 8 items parameters including environment temperature, humidity, wind speed, wind direction, brightness, noise, PM2., PM10, support RS485 communication.
2. High degree precise, stable performance, fits for outdoor and industrial area.
3. Work together with xixun android system controller to realize real time monitoring.
4. Real time monitor atmospheric environment data, low cost, suit for grid distribution .
5. Small size, module design, flexible installation.
6. The data acquisition adopts 32-bit high-speed processing chip, which is stable and anti-interference.



Monitoring System



1. Build in GPU IC, support deep learning algorithm to effectively improve the detection accuracy.
2. Support face detection; Support optimization; Support tracking; Support capture; Support reporting the best face capture; Support face enhancement.
3. Support face attribute extraction, 6 attributes and 4 expressions.
4. Support trip wire intrusion, area intrusion, fence crossing, wandering, items left behind, items moving, fast moving, parking and personnel gathering detection.
5. Support classified alarm of people and vehicles.
6. Support 32x optical zoom.
7. Adopts 2 megapixel 1 / 2.8-inch CMOS sensor.
8. Support starlight level ultra-low illumination,colorful :0.005Lux@F1.6, black and white:0.0005Lux@F1.6.
9. Support h.265 coding and realize ultra-low code stream transmission.
10. The built-in 150m infrared lamp fills the light, and the matching algorithm between magnification and infrared lamp power is adopted to make the fill light effect more uniform.
11. Horizontal 360° Continuous rotation, vertical -20° ~ 90° auto flip 180° then keep monitoring, no No surveillance blind area.
12. supports 300 preset positions, 8 cruise paths and 5 patrol paths.
13. Has 1 line audio input and 1 line audio output.
14. Build in 2 lines of alarm input and 1 line of alarm output, support alarm linkage function.
15. IP66 protection grade, 6000V lightning protection, surge protection and surge protection.
16. AC24V±25% wide range power voltage input.
17. State secret algorithm SM1、 SM2、 SM3、 SM4, support GB35114 A class.



Dual Light Control System





Distress Panel



RQ1 is a SIP video intercommunication product, specially developed for the security industry customers. It has the advantages of high reliability and high-quality audio / video. It integrates smart security, audio and video intercom and broadcasting functions. The waterproof and dust proof grade is IP65 and the anti riot grade is IK10. It is suitable for outdoor scenes and can provide users with high-quality communication intercom services.

1. Build in 3W speaker, Loud and clear voice with background noise reduction.
2. Press Call button then can calling and realize full duplex video intercom.
3. Build in high quality camera and infrared fill light, video image is clear.
4. Support ONVIF protocols, cooperate with third party VMS system like viewing video and recording video.
5. Dust proof and waterproof grade IP65, explosion-proof grade IK10, -40 °C ~ 70 °C wide temperature working design, to meet the special needs of products in various industries.
6. With recording output interface, can connect to camera' s audio input port or to digital recording equipment to realize 24 hour monitoring.
7. Adopts Web online configuration, easy to manage; can configure in bulk through LEDOK IoT terminal management platform.



Remote Megaphone



RHH1 is a high-end colorful touch-screen Android phone, a high-end enterprise IP phone equipped with the Android 9.0 operating system, providing users with a more convenient, smooth and intelligent operating experience. 112 DSS buttons can be set on the 7-inch color touch screen, and common operations can be completed with one button. Build in 2.4G/5G WiFi for wireless internet, also can connect to bluetooth headset via built-in bluetooth function. The powerful functions of RHH1 make daily communication simpler and more efficient. In addition, an optional USB camera with adjustable orientation allows users to enjoy high-quality audio and video conferences.

1. Rich functions presented on the screen in the form of icons, so that can be reached at a touch.
2. Smart touch full keyboards with funny emoji make users enjoy more happiness and convenient during the operation.
3. With optional USB camera to have full screen high quality video image make users a brand new third party video meeting experience.
4. Camera can be installed in the phone, computer or desktop, so that can have a clear view in any angle.
5. There are 112 programmable DSS buttons without installing expansion boards, and different functions can be customized according to different business application requirements, such as speed dialing, call transfer, BLF, multicast functions, etc.



Ledok iot smart terminal visualization platform





Ledok iot terminal map (GUI) quick operation

LEDOK IOT IOT AIP54.0 language xixuntest

home online 1 offline 3 targeting Is Set 0 targeting Not Set 4 Please enter terminal name/device ID

Smart IoT screen broadcast meteorological Smart Lighting system

The map shows a detailed view of Shenzhen, China, with numerous IoT terminals plotted. Key locations include the Futian District, Nanshan District, and the surrounding urban areas. The map is color-coded to show different types of terminals: green for 'online' and yellow for 'targeting Not Set'. The interface is clean and professional, with a clear navigation menu and a search function for specific terminals.



welcome to test our platform

<http://www.ledokcloud.com/>

Test account: ledokiottest

The test code: ledok123456@

The company ID: ledokiot

Users can register themselves

Thanks for watching

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