IOP-WPD-2409-D2

802.11n Industry WiFi Phone

IOP-WPD-2409-D2 is a high-performance industrial WIFI cell phone designated for clients from manufacturing plant, petrochemical plant, dock and the coal-mine industry etc.

Besides the call and short message services as owned by ordinary cell phones,

IOP-WPD-2409-D2 also integrates functions of Group Call Talk, One Touch SOS,

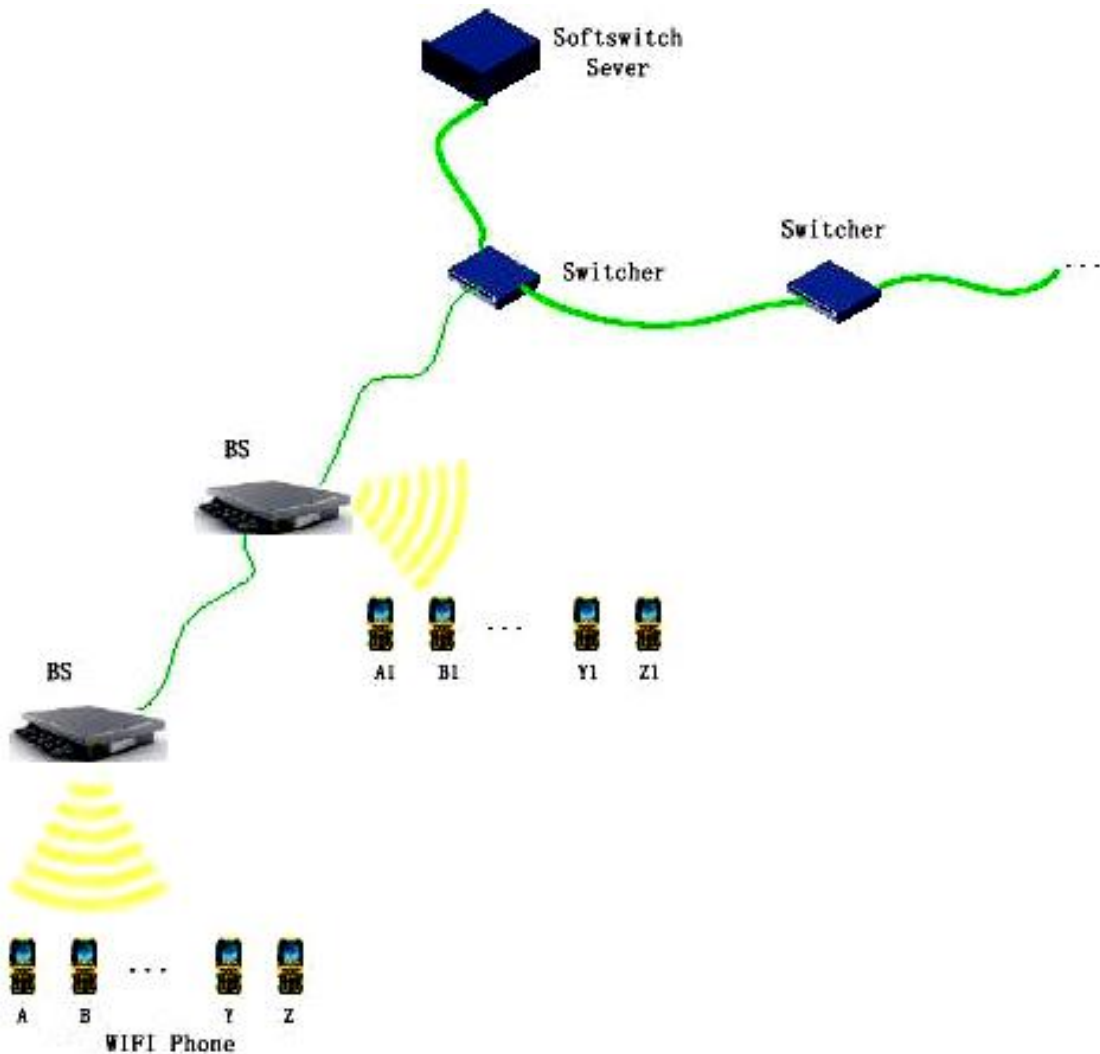Self-Organized Network and Assisted Positioning.

With the advanced industrial design, IOP-WPD-2409-D2 satisfies the explosion proofing, dust screening, drop proofing and shock proofing requirements.

VE 1.0

Typical Applications

Specifications

Basic Parameters

Size: 120mm(L) * 52mm(W) * 22mm(H)

Weight: 138g

Screen: 1.8 in., TFT LCD

Battery capacity: 1700mAh

Language: Chinese and English display interface; Chinese and English input

Standby time: >120h; talk time: >8h

Barrier-free speech range: >400m

Lead-free technology; national standard compliance

Wireless Parameters

Supporting IEEE 802.11b/g/n;

Frequency band: 2.4-2.483GHz;

Transmit power: 15~17dBm;

Receiving sensitivity: >-90dB;

Supporting fast Inter-AP handoffs to keep speech fluency;

Supporting WEP64, WEP128, WPA and WPA2 encryptions;

Supporting DHCP automatic acquisition and static configuration of network parameters.

VOIP

Supporting SIP 2.0 (RFC 3261), good compatibility;

Supporting audio coding and decoding: G.711u G.711a G.729A; DSP echo cancellation

technology to cancel large-volume echo; high voice quality; short time delay; high stability;

Supporting large-volume hands-free call;

Supporting caller ID display, call waiting and call forwarding functions

SMS, Phone Book and Call Record

Sending and receiving Chinese and English messages;

Storing 100 messages in Inbox and Outbox respectively;

Supporting Input, Browse and Delete operations; supporting speed dial;

Storing 400 name lists with addresses and phone numbers;

Displaying phone number in groups;

Supporting Search, Input, Browse and Delete operations; supporting speed dial;

Storing name, number, address and email information;

Storing 20 received calls, missed calls and dialed numbers respectively;

Supporting call records deleting or saving; support speed dial.

Configuration and Upgrade

Supporting manual configuration of parameters; supporting crypto guard of key parameters;

Supporting automatic download of configuration file from Server;

Supporting TFTP wireless upgrade of software

Industrial Design

Protective Design

Level of protection: IP54;

Optional explosion-proof battery;

Moisture and corrosion protection;

Satisfying the performance requirement of drop proof, dustproof and shockproof cell phones

Positioning

Cell phone positioning can be realized through the standard interface of the positioning protocol and the positioning software of upper computer;
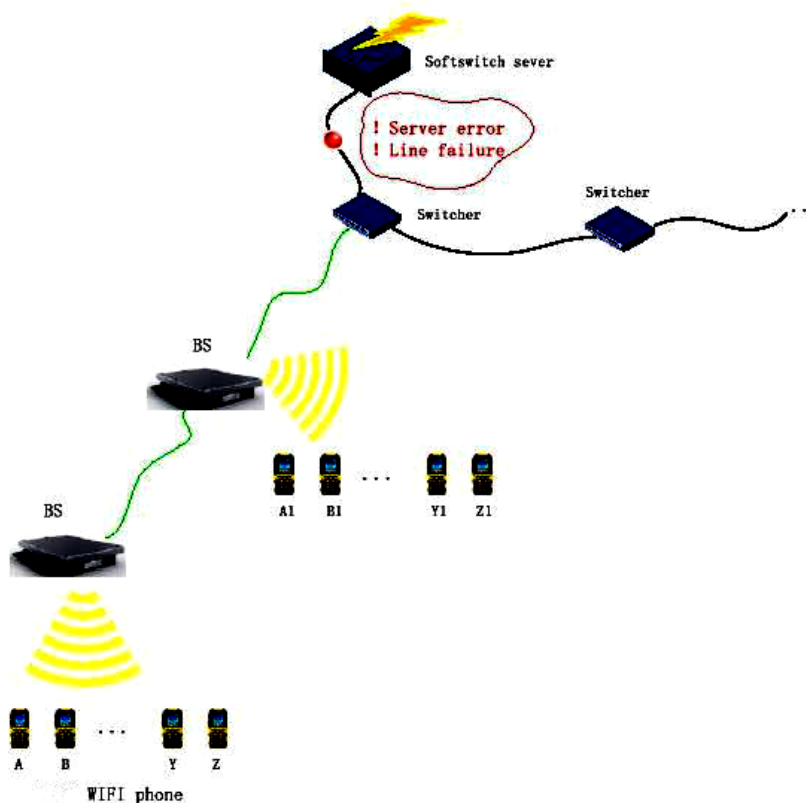
Parameters such as position update cycle, positioning server and positioning server port can be set.

Offline Communication

Realizing communication between IOP-WPD-2409-D2 cell phones in absence of SIP Server;

Supporting SMS, call and intercom under offline mode;

Supporting direct dial under offline mode, same as successful SIP registration.

Note: The functions under offline mode shall be performed in the same network segment.

Intercom Function

Special intercom key designed (the black key on side face) for convenient use;

No server, easy arrangement;

Supporting Group Call Talk;

Note: The intercom functions shall be performed in the same network segment.

Push to Alarm

Special alarm key designed (the orange key on side face) for convenient use;

Press the alarm key, red alarm warning will pop up;

Hold on the alarm key, the preset alarm number will be dialed.

Self-Organized Network

Supporting self-organized network between cell phones during wireless network paralysis;

The barrier-free communication distance under the self-organized network mode is larger than 200m;

Supporting SMS, call and intercom;

Service occasions recommended: emergency communication under power cut in pit;

Near range intercommunication between rescuers.