

# IPCT (IP Cordless Telecommunications) System **W710H**

IPCT (IP Cordless Telecommunications) is a roaming communication system solution, which support Multi-Cell and Single-Cell mode. The solution provide flexible and diverse configuration with users.

The systems support communication in LAN, user can realize internal communication without register SIP account.

The IPCT Single-Cell System managed by the W710H-Manager, which also provides the wireless network. And it supports up to 30 terminals and 16 simultaneous calls.

The IPCT Multi-Cell System a scalable and reliable network system consisting of W710H-Managers and W710H-Base stations, which supports up to 300 terminals and 200 simultaneous calls. And it can realize seamless roaming and switching.

The IPCT system provide users with a reliable, long-distance, multi-connection and large-capacity IP cordless solution, which is widely used in enterprises, shopping malls, residential areas, hotels, warehouses and other mobile office application scenarios.



SRTP/TLS/HTTP



Long-Distance



Large-Capacity



Auto Provision



Seamless Roaming

## Key Features and Benefits

- up to 200 simultaneous calls;
- up to 20 bases;
- up to 300 terminals;
- up to 300 SIP accounts;
- up to 300 internal extensions.
- Support XML/LDAP/Remote Phonebook
- Local phonebook: 1000 local contact for each terminal
- Seamless roaming and switching;
- Wireless signal coverage extends up to 100 meters indoors and 700 meters outdoors;
- Employing Fanvil wireless technology for high-quality, reliable communication;
- Supports firmware upgrades, configuration management, contact management, and call record management operations on connected endpoints.

# Specifications

## Generic

- Seamless network roaming and handover
- Wireless signal coverage: up to 100 meters indoors and 700 meters outdoors
- Each Multi-Cell System:
  - Up to 20 base stations
  - Up to 300 handsets
  - Up to 300 SIP accounts
  - Up to 200 parallel calls
- Each base station:
  - Up to 30 handsets
  - Up to 16 parallel calls
- Supports multiple languages:  
English/Japanese/Korean/French/German/Dutch/Spanish/Italian/Polish/  
Portuguese/Greek/Turkish/Russian/Chinese/Tra-Chinese

## Terminal Management

- Add/Delete/Import/Export
- Check terminal information
- Configure terminal: Reset, upgrade, DND
- Configuration management: 10 terminal configuration files
- Trouble removal: Capture package, syslog
- Local phone book: 1000 local contact for each terminal
- XML
- LDAP
- 20000 call log
- Call log statistics: All, Incoming, Outgoing, Missed, Forwards

## IPCT

- Frequency band
  - 902-928 MHz (America)
  - 916.5-927.5 MHz (Japan)
  - 917.5-923.5 MHz (Korea)
  - 915-928 MHz (New Zealand)
  - 920-925 MHz (Singapore)
  - 915-928 MHz (Australia)
  - 920-925 MHz (Thailand)
  - 916-924 MHz (Malaysia)
  - 920-923 MHz (Indonesia)
  - 902-928 MHz (Mexico)
  - 915-928 MHz (Brazil)

## Network

- Encryption: WPA2-PSK
- 10/100Mbps Ethernet (Bridge connection)
- IP mode: IPv4/IPv6/IPv4&IPv6
- Static IP / DHCP
- 802.1x Network access permission authentication
- VPN: L2TP / OpenVPN
- VLAN
- LLDP
- CDP

## Audio

- Narrowband Codec:  
G.711a/u, G.729, G.729A, G.729B, G.729AB, iLBC
- Wideband Codec: G.722, Opus

## Protocols

- UDP/TCP/TLS
- RTP/SRTP
- STUN
- DHCP
- IPv6
- LLDP
- 802.1x
- L2TP
- openVPN
- SNTP
- FTP/TFTP
- HTTP/HTTPS
- TR-069

## Deployment & Maintenance

- Auto-Provisioning via FTP/TFTP/HTTP/HTTPS/DHCP  
OPT66/SIP PnP/TR-069
- Web management interface
- Web-based Packet-dump
- Configuration export/import
- Firmware upgrade
- Syslog

## Specification

- 1 Reset Key
- Shell Material: Plastic Shell
- DC Input: 5V/1A
- RJ45 Port x2: Network x1, PC x1 (Bridged to Network)
- Power: DC5V/1A or PoE
- Power Consumption (POE): 0.75W - 1.14W
- Power Consumption (Power Adapter): 0.489W - 0.775W
- Installation: Wall-mounted
- Working Temperature: -10°C ~ +45°C
- Storage Temperature: -20° - 60°
- Working Humidity: 5% to 95%
- Color: Gunmetal
- Device Dimensions: 140\*100\*26mm
- Product Weight: 183g
- Qty/CTN: 10pcs
- N.W/CTN: 3.1kg
- G.W/CTN: 3.7kg
- Certifications: CE- EMC/CE-LVD/CE-RF/FCC SDOC/FCC  
ID/part68/ERP/DOE/CEC/SRRC/ROHS/WEEE/REACH
- Gift Box Dimension: 242\*127\*59mm
- Outer CTN Dimensions: 320\*274\*262mm

## About Fanvil

Fanvil Technology Co., Ltd. (Fanvil) is a leading global provider of A&V-IoT (Audio& Video- IoT) devices with three R&D centers in Beijing, Shenzhen, and Suzhou, China, and two factories in Huizhou and Shangrao, China. Fanvil has focused on Unified Communication technology innovation for 20 years and provides SIP phones and SIP security industrial products in the global market, powering different businesses in the community, transportation, education, healthcare, enterprises, etc.

## About LINKVIL

As the sub-brand of Fanvil, LINKVIL will focus on the research and development of A&V-IoT wireless communication products. Based on Audio & Video -IoT, LINKVIL helps to achieve the full connection of wireless communication systems. LINKVIL builds a wireless communication Eco-system for multi-scenarios to help accelerate digital transformation.

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## More Information

The above specifications may be updated in the future without prior notice. All hardware/software/physical features should be based on the final shipped products.

For more information, please visit: [www.fanvil.com](http://www.fanvil.com)



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