

# DP81U-1B SIP Audio Intercom

The DP81U-1B is a single-button SIP voice intercom door phone that integrates an advanced audio system with echo cancellation functionality. This product is used in conjunction with indoor intercoms to enable voice conversations between users and the called party.

The DP81U-1B offers DTMF keyless control for convenient unlocking. If users have electronic door locks, they can remotely control the opening and closing of the door lock. Additionally, the DP81U-1B features a one-button alarm function and can achieve secure, convenient, and efficient communication through an internet connection. It also provides enhanced support for office communication systems, dispatch systems, residential security communication, and other scenarios.

## Highlights

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HD Audio

Wall mounting

One-touch button for emergency calling

Protection Standards:

Compliant Standards: EN 62262 IK10

Compliant Standards: IP65

-30°C to 65°C wide range temperature adaptability

Unlock door with DTMF



HD



PoE



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## Audio Features

HD voice

Two-way audio stream

**Wideband codec:** G.722

**Narrowband codec:** PCMA,PCMU,

G.729,G.723\_53,G.723\_63,G.726\_32

Echo cancellation with G.168

Voice activity detection (VAD)

Comfort noise generator(CNG)

Built-in Micro and speaker

Acoustic echo cancellation audio output

## Protocols & Network

SIP v1(RFC2543), v2(RFC3261)

SIP over TLS, SRTP

Onvif

TCP/IPv4/UDP

RTP/RTCP, RFC2198, 1889

HTTP/HTTPS/FTP/TFTP

ARP/RARP/ICMP/NTP

DNS SRV/A Query/NATPR Query

Primary and Secondary DNS servers

STUN, Session timer

802.1p/q, DSCP,802.1x

DHCP/Static/PPPoE

## DTMF Mode:

In-Band, RFC2833 and SIP INFO

## Physical Specifications

1 call button

Aluminum surface, Metal bottom shell

**Power Supply:** DC 12V1A or 802.3af PoE

**Power Requirements:** 802.3af PoE class 3

1xRJ45 10/100M Ethernet jacks

**Installation:** Wall-mounted

**Device Dimensions(L\*W\*H):** 120\*153\*40mm

**Package Box Dimensions(L\*W\*H):** 195\*86\*170mm

**Outer Box Dimensions(L\*W\*H):** 535\*355\*230mm

## Access Control

Two SIP lines, Two SIP servers

Unlock door method: DTMF tones

## Door Phone features:

Full-duplex

Default auto answer

Action URL/Active URI remote control

Speed dial

## Administration Features

Auto provisioning:

FTP/TFTP/HTTP/HTTPS/PnP

HTTP/HTTPS Web Management

Configuration keypad-based management

SNMP/TR069

NTP/Daylight Saving Time

Firmware Upgrade via Web

Syslog

Configuration backup/restore

## Physical Interfaces

1 port 100M/10M RJ45 Ethernet, POE

1 port recording output

1 port 8Ω speaker

1 port analog audio output

1 port external audio input

1 port MIC

1 port tamper proof detection

1 port external Wiegand card reader

1 port RS232

1 port DSS key

2 ports relay output

2 ports sensor short circuit input

2 ports exit button

## Environments

Working Temperature: -30~65 °C

Storage Temperature: -40~70 °C

Relative Humidity: 10%~90%

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**DINSTAR**

### About Us

Founded in 2011 in Shenzhen, DINSTAR is a leading global provider of IP Unified Communication products including VoIP Gateways, IP PBXs, IP Phones and SBCs, we have been delivering more agile, efficient and affordable communication solutions and unparalleled communication experiences to our customers with our reliable, innovative and future-proof products for years. Through our value-added distributors and resellers worldwide, now DINSTAR serves telecom operators, service providers, system integrators, enterprises, SMBs and OEM partners in over 100 countries.