

# DPA SIP Paging Gateway

DPA is a powerful SIP paging gateway equipped with an advanced audio system featuring echo cancellation. This product supports external Onvif camera, speaker, speed dial keys, warning light and electro magnetic door locks.

The DPA offers a one-touch alarm function for users to contact the management system in emergency situations. This terminal facilitates connection to the internet and IOT through business control systems, supports a wide range of interface linkages and remote controls, ensuring safer and more efficient communication. With its broad application scenarios, it is ideal for industry users, building management, banks, schools, tourist attractions, stations, and technology parks, serving as an integral part of intelligent access control and intercom security systems.

## Highlights

HD Audio and Video

One-touch button for emergency calling

Stability and Reliability

Video linkage and PTZ control

Distinguish between broadcast and intercom speaker



1080P



HD



PoE



## Access Control

### 1 port relay output:

EM lock, alarm sensor, parking barrier

### 1 port short circle input:

Logic in/out, sensor detection

Support 30W amplifier

Support remote alarm

## Environments

Working Temperature: -20~65 °C

Storage Temperature: -40~70 °C

Relative Humidity: 10%~90%

## Audio/Video intercom

Two SIP lines, Two SIP servers  
Full-duplex  
Audio/Video hotline function  
Audio/Video auto answer, answer delay  
Support RTP minitor time out, hang up time out  
URL/URI remote control  
Support 3MP external HD camera, 1080P,  
20fps/s above

## Protocols & Network

SIP v1(RFC2543), v2(RFC3261)  
SIP over TLS, SRTP  
RTSP  
Support port open/close, configuration  
TCP/IPv4/UDP  
RTP/RTCP, RFC2198, 1889  
HTTP/HTTPS/FTP/TFTP  
ARP/RARP/ICMP/NTP  
DNS SRV/A Query/NATPR Query  
Primary/Secondary DNS  
STUN, Session timer  
802.1p/q, DSCP/802.1X  
DHCP/Static/PPPoE  
DTMF Mode: In-Band, RFC2833 and SIP INFO  
IP Phone support local SIP, RTP, RTCP port

## Physical Specifications

1 external DSS button  
Aluminum surface

**Power Supply:** DC 12-24V1A or 802.3af PoE

### Power requirement:

802.3af PoE class 3 IEEE 802.3af PoE  
Modularization design  
Support external camera, speed dial keypad,  
speaker and amplifier

**Device Dimensions(L\*W\*H):** 130.6\*30\*85mm

**Package Box Dimensions(L\*W\*H):** 170\*112\*54mm

**Outer Box Dimensions(L\*W\*H):** 565\*360\*255mm

## 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

## Administration Features

Auto provisioning:  
FTP/TFTP/HTTP/HTTPS/PnP  
HTTP/HTTPS web management  
SNMP/TR069  
NTP/Daylight Saving Time  
Firmware Upgrade via Web  
Configuration backup/restore  
Syslog

## Physical Interfaces

1 port RJ45 10M/100M ethernet interface  
1 port RJ45 ethernet interface, for Onvif camera  
1 port recording output  
1 port analog audio output  
1 port external audio input  
1 port relay output  
1 port sensor short circle input  
1 port MIC input  
1 port TF CARD input  
1 port USB  
1 port aux output LED  
1 port RS485  
1 port audio output  
1 port power amplifier output  
2 ports volume control

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### 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.