

# Technical Specifications

## VIP-176A IP Intercom Doorplate Speaker

- Concurrent SIP and Multicast
- PoE (IEEE 802.3af)
- Paging, emergency alerts, and tones
- Talkback intercom
- High-quality audio
- Moderate to high noise areas
- Quick and easy installation
- InformaCast® versions available
- Indoor/outdoor use



Vandal-Resistant  
Talkback

### Description:

The VIP-176A PoE SIP Vandal-Resistant with LED, Intercom Doorplate Speaker, is the perfect choice for high quality voice paging, two-way communication and emergency alerts for moderate to high noise areas. Designed for quick and easy installation.

## SPECIFICATIONS

### SPEAKER ELEMENT

Voice coil impedance: 45 Ohms

### AUDIO OUTPUT

Rating: > 96 dB @ 4ft (1.22 m)

### FREQUENCY RESPONSE

80 Hz to 15 kHz

### POWER REQUIREMENTS

Power over Ethernet (POE) 802.3af compatible

### CALL SWITCH

Single pole momentary contact

### AUDIO CODECS

G.711 u-law, others

### NETWORK

10/100 Mbps Ethernet port  
Manual or Dynamic Host Configuration Protocol (DHCP) IP address setup  
Time and date synchronization using NTP

### PROTOCOLS

IETF SIP (RFC3261)  
IETF IGMP version 3 (RFC3376)  
IETF RTP (RFC1889)  
IETF RFC2833

### ENVIRONMENT

Temperature: +32 to +104 °F (0 to +40 °C)  
Humidity: 0 to 85% non-precipitating

### HOUSING AND FINISH

Durable brushed stainless steel

### DIMENSIONS AND WEIGHT

4.88in H x 4.88in W x 2.50in D  
(12.40cm x 12.40cm x 6.40cm)  
Weight: 0.82lbs (0.37kg)  
Shipping Weight: 3.10lbs (1.40kg)

### MOUNTING

Flush mount double gang FD electrical box

### ACCESSORIES

VM-SRLY Smart Relay

2022 Rev. 1.6.2.4

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## ARCHITECTS AND ENGINEERS

The IP Talkback Intercom/DoorPlate Speaker, model VIP-176A, shall allow communication to SIP-based telephone systems or Valcom Enhanced Station Port adapters via an IP-based network.

Power shall be provided to the VIP-VIP-176A via a Power over Ethernet (PoE) switch meeting the 802.3af specification. Setup of the VIP-176A shall be via the Valcom IP Solutions Setup Tool.

An optional VM-SRLY Smart Relay Module shall be designed for use with the VIP-176A. The VM-SRLY shall provide both a normally open and normally closed (Form C) output connection for activating door entry equipment.

The VIP-176A IP Talkback Intercom/DoorPlate Speaker shall consist of a doorplate, network interface and mounting hardware. The

VIP-176A shall be constructed of durable brushed stainless steel and shall have a call button for signaling and be equipped with a LED status indicator.

VIP-176A Doorplate shall be designed for double gang FD electrical box mounting. The VIP-176A shall be suitable for indoor/outdoor applications protected from direct precipitation.

Maximum dimensions shall be: 4.88in H x 4.88in W x 2.50in D (12.40cm x 12.40cm x 6.40cm). Weight shall be approximately 0.82lbs (0.37kg).

Warranty information may be found on our website at [www.valcom.com/warranty](http://www.valcom.com/warranty).