

# Technical Specifications

## VIP-851-25 SIP 20-Watt Gateway

- 1 audio input
- 2 audio outputs
- 1 Form C relay
- 1 contact closure input
- 1 SIP identity for registering to a VoIP telephone system
- Power over Ethernet 802.3at (PoE) compatible
- InformaCast® version available



25 Volt

### Description:

The VIP-851-25 SIP 20-Watt Gateway enables voice access to a single zone of one-way paging over an IP network, allowing page zones to be extended anywhere network connectivity is available. The VIP-851-25 can be programmed as a SIP (Session Initiation Protocol) device for connectivity to virtually any VoIP (Voice over IP) telephone system. The VIP-851-25 has output connections for line level and 25 V speakers only.

## SPECIFICATIONS

### AUDIO INPUT

Audio input impedance: 600 Ohms  
AUX input impedance: 8 to 600 Ohms  
AUX input level: -10dBm nominal

### AUDIO OUTPUT

25 V output: Provides 20-Watt  
Line output impedance: 50 Ohms  
Line output level: -10 dBm nominal

### POWER REQUIREMENTS

Voltage: 24 Vdc  
Current: 900 mA  
Via 802.3af PoE Ethernet Switch: Class 4

### NETWORK

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

### AUDIO CODECS

G.711 u-law, others

### AUXILIARY RELAYS

Form C Relay Rated at 1A @ 24 Vdc

### ENVIRONMENT

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

### HOUSING AND FINISH

Steel with black powder coated finish

### DIMENSIONS AND WEIGHT

1.75in H x 16.60in W x 4.80in D  
(4.40cm x 42.20cm x 12.20cm)

Weight: 2.00lbs (0.90kg)

Shipping Weight: 5.95lb (2.68kg)

### MOUNTING

Wall or rack mounting (1U)

2022 Rev. 1.9.6

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## ARCHITECTS AND ENGINEERS

The SIP 20-Watt Gateway, model VIP-851-25, shall enable voice access to a single zone of one-way paging over an IP network, allowing page zones to be extended anywhere network connectivity is available. The VIP-851-25 shall be programmed as a SIP (Session Initiation Protocol) device for connectivity to virtually any VOIP (Voice over IP) telephone system.

The VIP-851-25 SIP 20-Watt Gateway shall provides one audio input, Nominal input impedance shall be 600 Ohms. Audio input level shall be -10 dBm nominal. Voice switch sensitivity shall be -21 dBm. AUX input impedance shall be 8 to 600 Ohms. AUX input level.

The VIP-851-25 SIP 20-Watt Gateway shall provides two outputs, LINE and 25 Volt. The LINE output shall provide a line-level signal suitable for driving up to 40 Valcom self-amplified speakers or other device requiring a line level source. The 25 Volt output shall provide up to 20-Watts of audio power suitable for driving 25 Volt speakers with any combination of tap settings not to exceed 20-Watts total.

The VIP-851-25 shall provide one Form C relay. The relay current shall be 1 Amp @ 24 Vdc.

The VIP-851-25 SIP 20-Watt Gateway shall be powered via a Power over Ethernet (PoE) switch meeting the 802.3af specification. All setup and configuration of the VIP-851-25 shall be via the Valcom IP Solutions Setup Tool.

The VIP-851-25 SIP 20-Watt Gateway shall be constructed of steel with a black powder coated finish. The VIP-851-25 shall be designed for wall or rack mounting (1U).

Maximum dimensions shall be: 1.75in H x 16.60in W x 4.80in D (4.40cm x 42.20cm x 12.20cm) Weight shall be approximately: 2.00lbs (0.90kg).

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