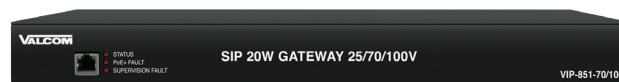


# Technical Specifications

## VIP-851-70/100 SIP 20-Watt Gateway

- 1 audio input
- 3 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



25/70/100 Volt

### Description:

The VIP-851-70/100 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-851-70/100 has output connections for line level and 25 V, 70 V or 100 V speakers.

## SPECIFICATIONS

### AUDIO INPUT

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

### AUDIO OUTPUT

25 V output: Provides 20-Watt  
70 V/100 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: 3.10lbs (1.41kg)  
Shipping Weight: 6.90lbs (3.11kg)

### MOUNTING

Wall or rack mounting (1U)

2022 Rev. 1.9.6



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VALCOM.COM

# Technical Specifications

## ARCHITECTS AND ENGINEERS

The SIP 20-Watt Gateway, model VIP-851-70/100 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-851-70/100 has output connections for line level and 25-volt, 70-volt or 100-volt speakers..

The VIP-851-70/100 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 shall be 50 Ohms.

The VIP-851-70/100 SIP 20-Watt Gateway shall provides three outputs, LINE, 25 Volt and 70 Volt or 100 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 LINE output shall be used in combination with the 25 Volt or 70/100 Volt outputs. The 25 Volt output provides 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-851-70/100 provides additional connections for 70-volt or 100-volt speakers, up to 20 watts total power. The VIP-851-70/100 shall provide one Form C relay. The relay current shall be 1 Amp @ 24 Vdc.

The VIP-851-70/100 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-851-70/100 shall be via the Valcom IP Solutions Setup Tool.

The VIP-851-70/100 SIP 20-Watt Gateway shall be constructed of steel with a black powder coated finish. The VIP-851-70/100 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: 3.10lbs (1.41kg).

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