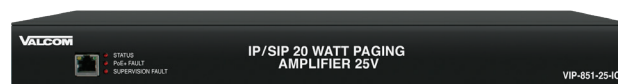


Technical Specifications

VIP-851-70/100-IC InformaCast® SIP 20-Watt Gateway

- InformaCast® compliant
- 1 audio input
- 4 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 compliant
25/70/100 Volt*

Description:

The VIP-851-70/100-IC 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-IC 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 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

INFORMACAST CONFIGURATION METHODS

SLP (Service Location Protocol)
Static Configuration

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

Technical Specifications

ARCHITECTS AND ENGINEERS

The SIP 20-Watt Gateway, model VIP-851-70/100-IC shall be InformaCast compliant. The VIP-851-70/100-IC 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 amplifiers shall optionally be programmed as a SIP (Session Initiation Protocol) device for connectivity to virtually any VOIP (Voice over IP) telephone system.

The VIP-851-70/100-IC shall have output connections for line level and 25-volt, 70-volt or 100-volt speakers.

The VIP-851-70/100-IC SIP 20-Watt Gateway shall provides one audio input. Nominal input impedance shall be 600 Ohms. Audio input level shall be -10 dBm nominal. AUX input level shall be 50 Ohms.

The VIP-851-70/100-IC SIP 20-Watt Gateway shall provides four 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-IC provides additional connections for 70-volt or 100-volt speakers, up to 20 watts total power. The VIP-851-70/100-IC shall provide one Form C relay. The relay current shall be 1 Amp @ 24 Vdc.

The VIP-851-70/100-IC 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-IC shall automatically acquire an IP address (using DHCP) and connect to the InformaCast server when connected to the network and powered up. Information specific to the application shall need to be programmed into the InformaCast server..

The VIP-851-70/100-IC SIP 20-Watt Gateway shall be constructed of steel with a black powder coated finish. The VIP-851-70/100-IC 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.