

PROVCOM CASTER

SIP Based Paging Server



The Provcom CASTER IP Model PROV-H-120 is a SIP based paging software designed to manage the IP speakers, IP Intercom, zones, users, schedules announcements and sounds. The Provcom CASTER can drive unlimited IP Speakers, up to 75,000 Analog Speakers, 500 zones and Thousands of Users. It allows users to make announcements through existing telephony system like Cisco, Avaya, Nortel, Panasonic and Asterisk. The users can also make announcement through their smartphone like iPhone or Android. It can be integrated with most Fire and Security Alarm System.



PROV-H-120 Features

Flexible Zoning and Grouping

Provcom CASTER IP Model PROV-H-120 drives up to 500 Zones based on SIP or Multicast protocol. A zone can handle unlimited IP speakers from different locations. The speakers can be accessed individually or in flexible zones. SIP based zones enable the two-way communication with Provcom IP Speakers which have internal microphone.

Group Paging Priority Feature

Provcom CASTER zones robust priority controls. These controls make it easy to distribute low priority announcements yet allow high priority paging to override ongoing announcements. Any page group or port can be assigned a priority. These priorities allow a logical scaled approach to group paging. An absolute priority can be assigned to allow for emergency override in any circumstance.

Live Announcements, Recorded or CD Audio

Provcom CASTER allows users to play live audio pages to IP Speakers or Zones through IP Microphone, Telephony System or Soft Phone. It has ability to upload/record the audio files and play it on specific zone.

Flexible Scheduling

- Play scheduled audio on specific zone
- Single, Daily, Interval and Weekly basis
- Schedule standard & non-standard days for entire year
- Example of usage:
 - o Azan Prayer Time
 - o School/Factory bells
 - o Hospital Visiting Time

Security and Control

- Level of Access for each zone
- Voice prompting and password controlled zones
- PIN number for each User (Announcer)
- Web-based GUI
- Adjust speaker volume via Web
- Paging Priority Levels
- Backup and Restore
- Supervision and Logging

Supports Legacy Paging Systems

The Provcom CASTER IP Model PROV-H-120 provides up to 24 analog outputs that can easily be conditioned to drive any existing overhead paging system. Legacy paging features can be seamlessly combined allowing powerful combinations of legacy analog and IP paging.

IP Paging Server

Model: **PROV-H-120**

IP Telephony Integration

The Provcom CASTER IP Model PROV-H-120 allows SIP based phone systems to page any number of Provcom IP speakers. It is compatible with most IP Telephony System like Cisco, Avaya and Asterisk.



Night Ring Features

The Provcom CASTER IP Model PROV-H-120 provides Night Ring functionality on any available zones. This feature generates a tone to any paging groups when the SIP identity is called.

Feedback Elimination Feature

The Provcom CASTER IP Model PROV-H-120 provides programmable store and forward capability for all paging accesses. This features records up to 180 seconds of audio, and then replays the audio when the page call is terminated. This capability can be turned on/off per page zone.

Integration with Fire and Security System

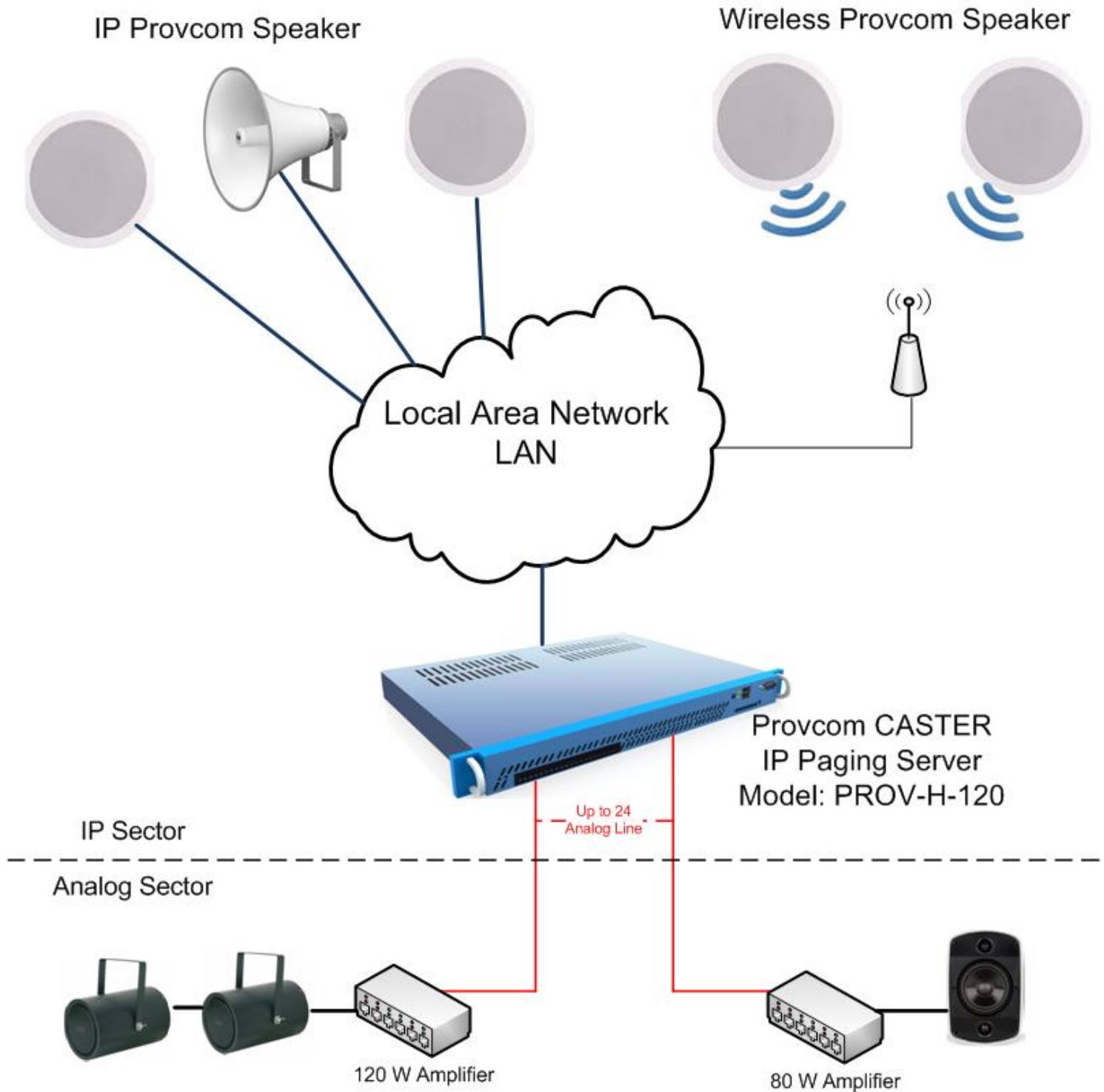
Provcom CASTER IP Model PROV-H-120 has SNMP handler module which allow it to be compatible with all Alarm System has SNMP capabilities.

Honeywell

Benefits versus conventional Paging System

- No dedicated long line wiring: Utilizes existing LAN infrastructure.
- No enforced cabling distance limitations: IP is world spanning.
- Flexibility: Easy to modify/add endpoints speaker.
- Phone System, Computer or Smart phones can be used to send Paging over IP Speakers.

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Product Specifications

Hardware	Network/ Security Features
CPU: Intel QM67 2.10 GHz	LAN: 2x Gigabit Ethernet
RAM: 4 GB DDR3	Firewall
Hard Drive (2nd optional): 500 GB HDD - 2.5"	Support VLAN(voice VLAN/data VLAN)
RAID: Hardware RAID 1	Support 802.1x
Network Interface: 2x Gigabit Ethernet	Support basic NAT and NAPT
Zones (SIP/Multicast): Up to 1,000	DHCP Server
Concurrent Paging: Up to 150	Operation
Analog Ports (FXO/FXS): Up to 24	Power supply: DC-12V
Digital Ports: Up to 1 E1/T1/J1	Power Consumption: 35W
LCD Display : Rear panel	Environment
USB Ports: 2 on Rear Panel	Working Temperature: -20°C~70°C(-4°F~158°F)
Protocol	Storage Temperature: -20°C~80°C(-4°F~176°)
IETF SIP (RFC3261)	Operating Humidity: 10%~90%
IETF IGMP version 3 (RFC3376)	Physical Features
IETF RTP (RFC1889)	Height: 1.75" (44.5 mm)
HTTP Web-based	Width: 19" (482 mm)
Codec: G711, G729, G723	Depth: 9.84" (250 mm)
IETF RFC2833	Weight: 4.3 Kg (9.5 lb)
Digest Authentication	Metallic Case: 1U - Rack mountable 19"

Applications

General	Paging/notification applications over existing networks
Governments	Provide secure, supervised, high survivability notification systems
Healthcare	The most practical way to page huge facilities
Education	Cost effectively page hundreds of buildings (supervised)
Transportation	Airports, Ferry Terminals, Subway Stations, Bus Stops, etc