

Communication that fits perfectly to your Small and Medium-sized business (SMB)

Introducing HP-150 V2 Communication System



The all new HP-150 V2 Communication System leads the way in combining today's most wanted features with the ultimate ease of operation. The result is a stylish, multi-functional, communications system that will give your business a decisive competitive advantage.



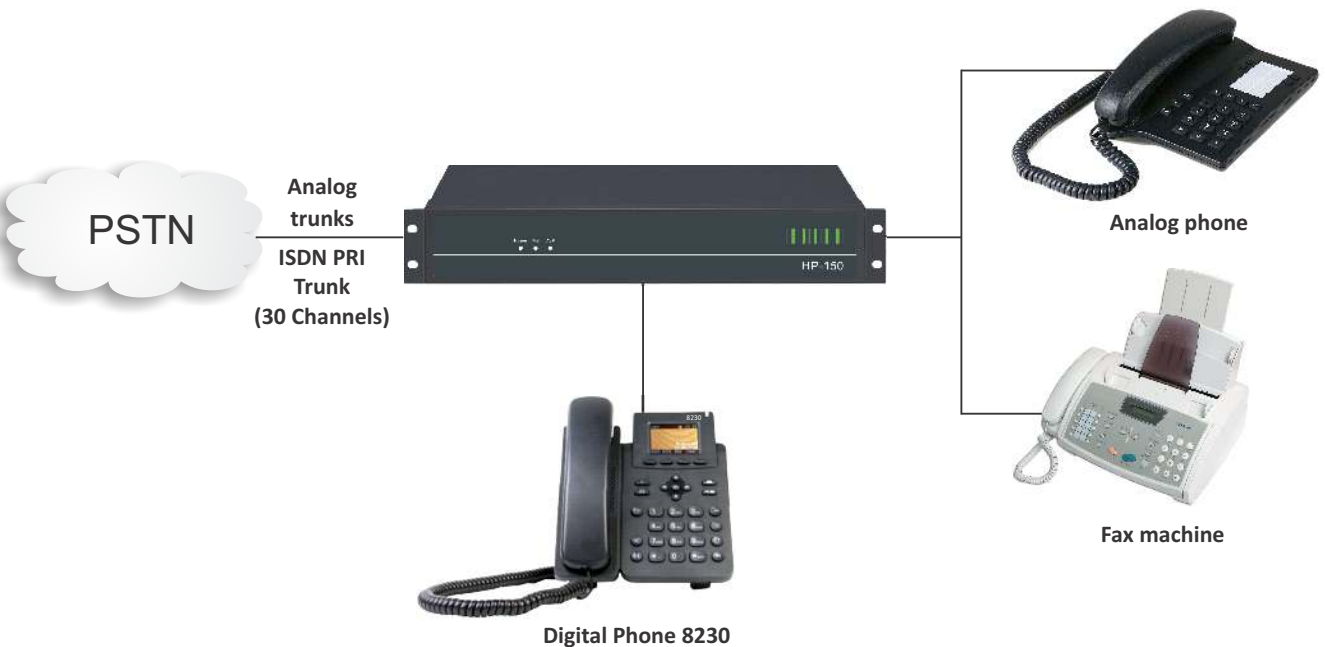
HP-150 V2 Communication System

Big performance for Small & Medium Businesses (SMB)

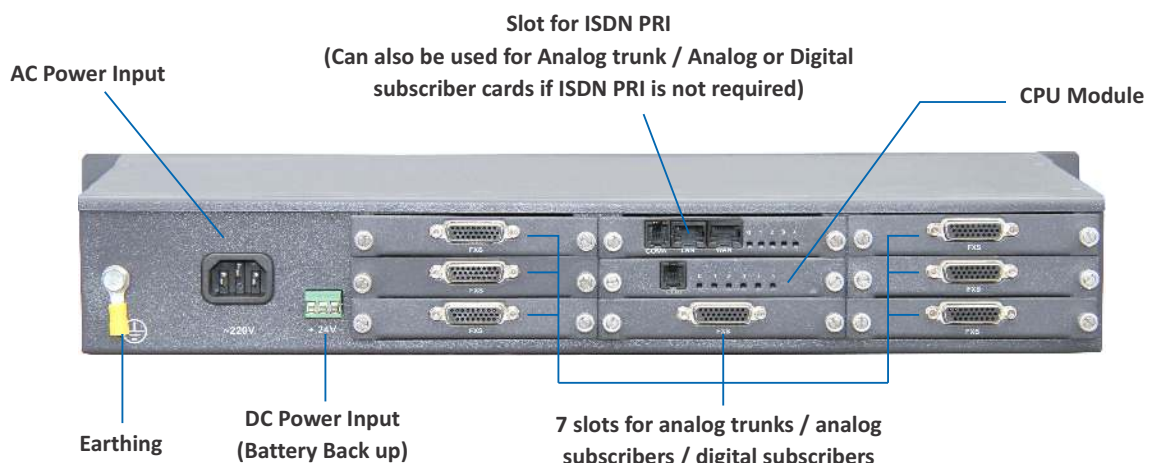
Reliable voice communication using high-quality devices those are extremely simple to operate - that's what **HP-150 V2** is all about. Specially designed for companies with up to 50 employees, this communication system is built on tried and tested analog and ISDN technology, even allowing mixed mode operation. With a wide range of integrated solutions it is capable of fulfilling the most sophisticated requirements.

This system provides professional support for small business operations, hotels, production house, lawyer offices, doctor's clinic and any other work situations where employees rely heavily on communications to carry out their day-to-day activities. It offers features normally found only in much larger systems.

Schematic of HP-150 V2 System



HP-150 V2 Communication System uses high speed CPU to handle high traffic loads. The system is flexible enough so that you can build the possible combination of trunks, analog phones and digital phones to suite your organizational requirement. The HP-150 V2 system also supports ISDN PRI (30 Ch.) interface which is a standard connectivity offered by telecom service providers for SMB customers.



Features supported by HP-150 V2 Key Telephone System

▶ **Voice Paging (Broadcast):**

Voice Paging enables broadcasting of announcements to digital phones in the system. Any extension (Analog/Digital) can broadcast the message by pressing a specific code to activate the speaker of Digital phone. Group broadcast is also possible with any number of digital phones in that particular group.

▶ **Extension Name display on Digital phone:**

Name display (14 Characters) is supported on digital phone (8230). With this any internal extension can be assigned a name & the same would be displayed.

▶ **Flexible feature codes:**

It is possible to assign flexible codes for features like Call Back, Call Pick up, Conference, DND, Override, Trunk Access etc. The code can be single digit to upto 3 digits.

▶ **System Speed dial:**

HP-150 V2 supports system speed dial. The frequently dialed numbers can be stored centrally in the system speed dial list. Every number is then represented by a speed dial number which is used instead of the full phone number.

These numbers can then be dialed out by any extension by dialing the short code.

System can store maximum 496 speed dial numbers centrally.

▶ **Personal Speed dial:**

Individual Speed Dial enables every subscriber to store 16 external numbers as individual speed dial numbers in addition to the system speed dial numbers

▶ **Automatic Day-Night service:**

HP-150 V2 supports Automatic Day/Night service. This feature enables day/night settings to be activated at predefined time intervals. Features like incoming call handling & Class of service are also switched accordingly.

▶ **Linear and Cyclic Seizure of Trunk Lines:**

Linear or cyclic seizure of trunks is now supported.

▶ **Hunt Group Timer:**

HP-150 V2 now supports more flexibility in terms of timer settings for hunting groups. The timers can be configured in steps of 5 seconds compared to the earlier steps of 15 seconds.

▶ **Hot-Line:**

Hotline feature has been improved now with HP-150 V2. Both types i.e Immediate & Delayed Hotlines are supported.

▶ **Call Transfer (Supervised):**

Call transfer (Supervised) feature has been improved. During a supervised call transfer, it is now possible to take back the original call in case the called extension doesn't answer.

▶ **Call Hold Feature (for Digital phones only):**

Call Hold feature has been improved in HP-150 V2. The hold timer is increased from 120 seconds to 300 seconds. Using this feature a digital extension user can press the hold key to put an existing call on hold, upon expiry of the timer (300 seconds) call will be recalled to the digital extension.

▶ **Flexibility of handling Incoming Calls :**

System supports 3 types of answer mode when called from PSTN trunk lines.

- **Dialing desired extension directly (Voice guided DID):** The caller from CO-line will hear guiding voice when he calls the system, then he dials extension number directly as desired after hearing mentioned voice.

- **Operator assisted call transfer:**

Call will land by default on the Operator Console device like Digital Phone 8230. Then the operator can transfer the call to the desired extension.

- **Group ringing:**

System supports max. 5 extensions in a group simultaneously when there is an incoming call from CO-line. Any one of the extension out of group can answer the call. Other extensions will stop ringing once the call is answered.

▶ **Conference calls :**

HP-150 V2 system supports 8 party conference features. Operator can set the conference call and needs to be part of the conference during the call. Conference call is automatically closed when all the participants exit the call.

- **Caller Line Identification:** HP-150 V2 system supports internal as well as external line caller ID on Digital Phone 8230 as well as analog CLI phones with DTMF / FSK formats.

- **Calling time restricted:** System can restrict when extension has a long time calls with internal and external lines.

- **Hot-line:** System supports when extension has hot-line function to internal extension or an external number when operator picks up and no digit is dialed.

- **Flexible numbering:** HP-150 V2 system supports flexible numbering scheme up to 8 digits. You decide the numbering plan that suits your organization.

- **Do not disturb (DND):** Someone may not like to be disturbed by others, so he can set DND function.

- **Phone Mate Service:** Parallel ringing solution for extension & mobile phone. Each extension can have one mobile number as it's mate. Ring signal will be sent simultaneity to both devices. Any one of them answers the call, the other one stops ringing.

- **Call Hunting:** An incoming call can be automatically hunted amongst multiple extensions programmed in the hunt group. The external caller will always have somebody to attend his call.

Other Features Supported

- ▶ **Forwarding of incoming calls**
- ▶ **Private CO-line**
- ▶ **Built-in Music on hold**
- ▶ **Direct outward dialing (DoD)**
- ▶ **Intelligent trunk route for outgoing calls**
- ▶ **Incoming only trunk**
- ▶ **CO & Extension grouping**
- ▶ **Protection from over Voltage & Lightening**
- ▶ **Different ring tones**
- ▶ **Alarm clock service**
- ▶ **Night & day service**
- ▶ **Account code & Follow me**
- ▶ **Override**
- ▶ **PC based administration**

HP-150 V2 Technical Specifications

Max. capacities of HP-150 V2 system

| | |
|--|-----------------------|
| Total peripheral slots in the system | 8 |
| Analog subscriber card | 8 ports / card |
| Digital subscriber card | 4 ports / card |
| Analog trunk card | 8 ports / card |
| ISDN PRI card | 1 port (30 Channels) |
| Max. number of analog subscribers that can be connected | 64 |
| Max. number of digital subscribers that can be connected | 32 |
| Max. number of analog trunks that can be connected | 64 |
| Max. number of ISDN PRI that can be connected | 1 port (30 Channels) |

Interface type

| | |
|-----------------------------|---|
| Analog extension interface | Analog extension interface with a/b line +24 V |
| Digital extension interface | 2 wire digital interface |
| Analog trunk interface | Loop trunk, incoming ringing current, outgoing dual tone signal |
| ISDN PRI trunk interface | ITU-T G.703 |

Telephone requirement

| | |
|---------------|--|
| Digital Phone | Digital Phone Model 8230 |
| Analog phone | Normal analog phone with a/b interface |

Power Supply

| | |
|--------------------|-----------------|
| Input voltage (AC) | 100 to 265 V AC |
| Frequency | 50 to 60 Hz |
| Power Consumption | < 25 W |

Environmental Requirements

| | |
|-------------------|--|
| Cabinet size | 488mm x 215mm x 66mm 19" Rack Mount (1.5U) Wall mount option available |
| Temperature | 0 - 45 Degree Celsius |
| Relative Humidity | 5% to 95% |

Technical specifications of Digital Phone

| | |
|-------------------------------|---------------------|
| Parameter | Digital Phone 8230 |
| LCD display size | 320 mm x 240 mm |
| LCD color | Orange, White, Blue |
| Number of rows | 7 |
| Number of characters / row | 20 |
| Display type | backlit |
| Total number of DSS keys | 4 |
| Fixed function keys | 15 |
| Navigation control (Jog Dial) | Yes |
| Number of ring tones | 9 |
| Volume adjustment | 8 level |
| Phone book entries | 200 |
| Hands free dialing | Yes |
| Hands free talking | Yes |
| Interface to HP-150 system | 2 wire |
| Tilt able display | No |
| Headset port | Yes (RJ11) |

Digital Phone 8230

When it comes to advanced communication requirements it's the technological advantage that enhances efficiency and flexibility of use. The Digital Phone 8230 thus becomes the preferred choice for those who are in need of updating their current communication systems. With its easy-to use Navigation Key (Jog Dial) this phone helps extension users quickly select and control various features, including commonly used settings such as microphone, speaker and ringer volume, and adjusting LED background lightness and colors. It's ergonomic design and operational function contributes to its value addition and makes it convenient to use.



Digital Phone 8230

Features supported on Digital Phone 8230 -

| Phone Operations | Outgoing Call Operations | Communication Management | Other Functions |
|-------------------|--------------------------|--------------------------|--------------------------|
| Volume Adjust | Normal Call | Call Back when Busy | Transfer in Busy |
| Backlight Setting | Hotline Call | Missed Calls Call Back | Transfer after No-Answer |
| Incoming Call | Last call Redial | Call Hold | Secretary Function |
| Answer Call | | Call Transfer | DND/Refuse |
| Auto Answer | | MIC Mute | Phone Book Operation |
| Call Pickup | | Call Waiting Answer | Conference Call |

Operator Console -

Digital Phone 8230 can be used as console for operator to receive incoming calls from CO-line. It will help the operator to handle calls easily and perform other tasks. Details as below:

- ▶ Secretary function
- ▶ One key dialing
- ▶ Calls holding
- ▶ Call back
- ▶ Redial / Auto redial
- ▶ Forwarding call

Information presented on the display of Digital Phone 8230

- ▶ Incoming & outgoing calls
- ▶ Incoming caller's number
- ▶ Menu of system features
- ▶ Call duration
- ▶ Calling extension name
- ▶ Date / time

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