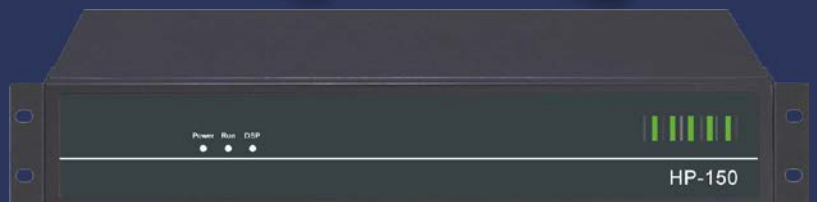# Communication that fits perfectly to your Small and Medium-sized business (SMB)

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.
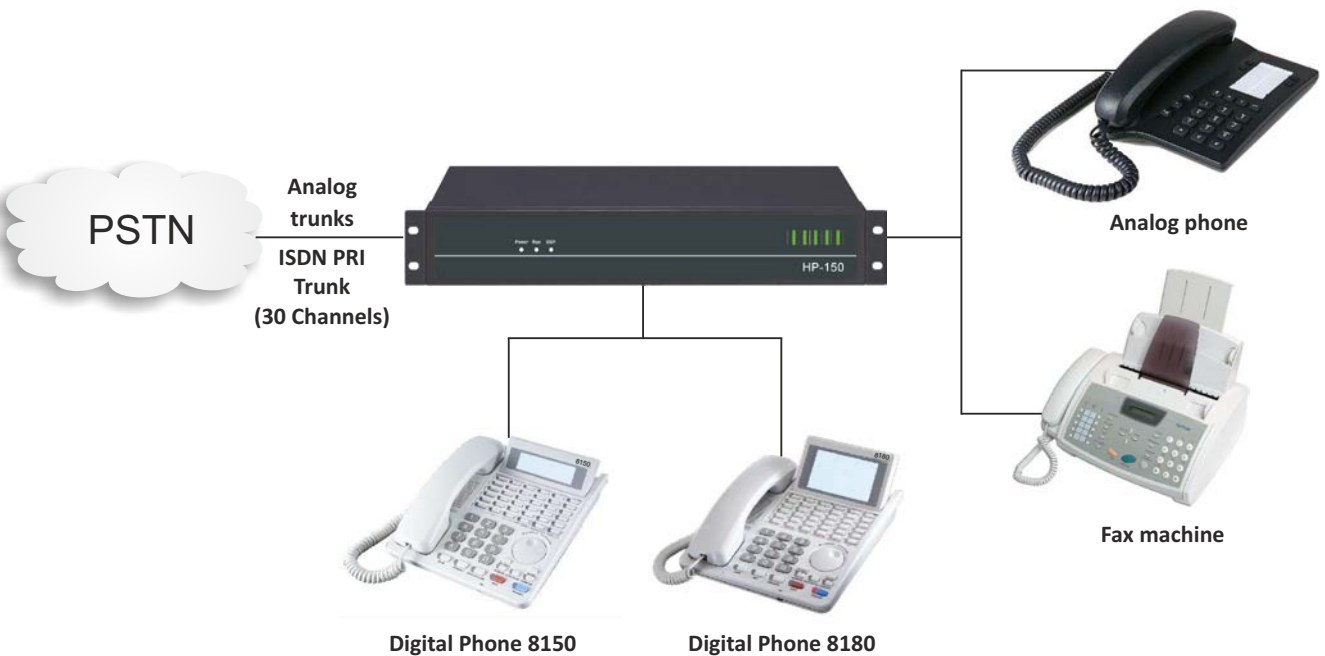
HP-150 V2 Communication System
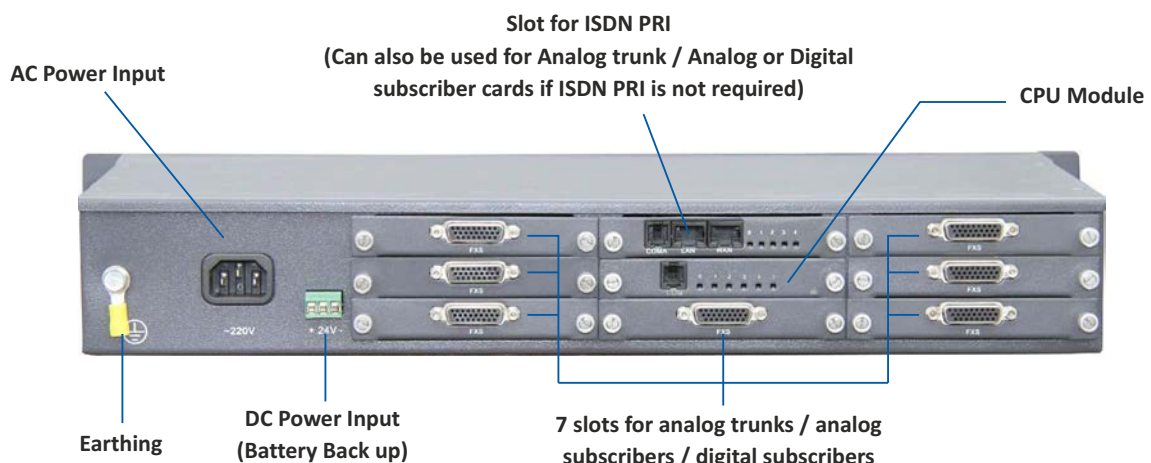# Big performance for Small & Medium Businesses (SMB)

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

PSTN

Analog trunks

ISDN PRI Trunk (30 Channels)

HP-150

Analog phone

Fax machine

Digital Phone 8150

Digital Phone 8180

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.

AC Power Input

Slot for ISDN PRI
(Can also be used for Analog trunk / Analog or Digital subscriber cards if ISDN PRI is not required)

CPU Module

Earthing

DC Power Input
(Battery Back up)

7 slots for analog trunks / analog subscribers / digital subscribers

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 (8150 & 8180). 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 8150 / 8180. 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 8150 / 8180 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 Phones	Digital Phone Models 8150 & 8180
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 Ι 19" Rack Mount (1.5U) Ι Wall mount option available
Temperature	0 - 45 Degree Celsius
Relative Humidity	5% to 95%

Technical specifications of Digital Phones

Parameter	Digital Phone 8150	Digital Phone 8180
LCD display size	81.2mm×24.9mm(WxH)	88.0mm×52.0mm(W×H)
Number of rows	2	6
Number of characters	16*2	24*6
Display type	Backlit	Backlit
Total number of DSS keys	30	30
Fixed function keys	16	16
Navigation control (Jog Dial)	1	1
Number of ring tones	8	8
Volume adjustment	4 Level	4 Level
No. of phone book entries	100	300
Support for DSS 64 Key module	Yes	Yes
Name display of calling party	No	Yes

Digital Phone 8150 / 8180

When it comes to advanced communication requirements it's the technological advantage that enhances efficiency and flexibility of use. The Digital Phones 8150 / 8180 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) these phones help extension users quickly select and control various features, including commonly used settings such as microphone, speaker and ringer volume, and adjusting LED background lightness. Its ergonomic design and operational function contributes to its value addition and makes it convenient to use.

Digital Phone 8150	Digital Phone 8180	DSS 64 Key Module

Features supported on Digital Phone 8150 / 8180 -

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	DSS Key Call	Call Hold	Secretary Function
Answer Call	Last call Redial	Call Transfer	DND/Refuse
Auto Answer		MIC Mute	Phone Book Operation
Call Pickup		Call Waiting Answer	Conference Call

Operator Console -

Digital Phone 8150 / 8180 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 8150 / 8180

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

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