PROGILITY

A tailor made solution to enhance your Communication for Small and Medium- sized business (SMB)

Introducing HP-190 V2.0 Communication System

Incorporated with value added features, HP-190 V2.0 Communication System is specifically tailored for small and medium sized business and corporate organizations. The multi-functional communication system gives your business a decisive competitive advantage.
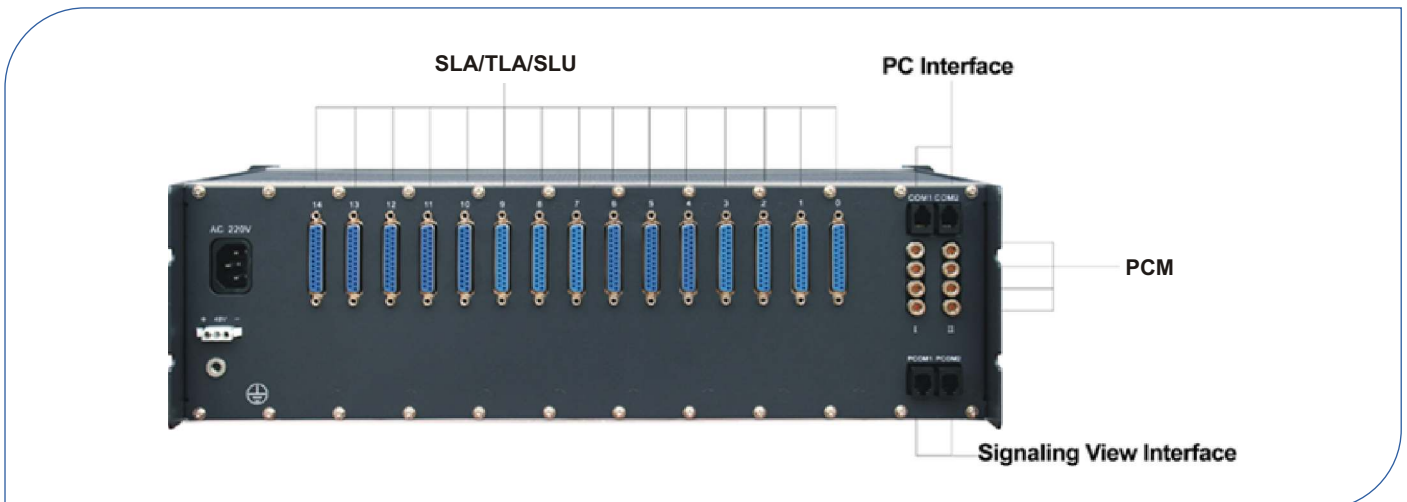
HP-190 V2.0 Communication System.
Big performance for Small & Medium sized Businesses (SMB)

Specially designed for companies with up to 120 employees, this communication system is built on tried and tested TDM and ISDN technology, even allowing mixed mode operation. HP-190 V2.0 Communication System is specially designed with enrich feature sets helping your organization in reducing operational cost and fulfilling your business needs.

It is built with a robust hardware which allows the system to perform at high traffic zones without any disruption. This system provides professional support for small & medium business operations.

Schematic of HP-190 V2.0 System

PSTN

Analog trunks

ISDN PRI Trunk

Analog phone

Fax machine

Digital Phone 8150

Digital Phone 8180

HP-190 V2.0 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-190 V2.0 System also supports ISDN PRI interface which is a standard connectivity offered by telecom service providers for SMB customers.

SLA/TLA/SLU

PC Interface

AC 220V

PCM

Signaling View Interface

Features supported by HP-190 Key Telephone System:

Extension side Telephony features:

▶ **Flexible numbering**

HP-190 System supports flexible numbering where extensions can range from 1-8 digits.

▶ **Call Back**

The Callback feature sends your phone a priority ring, indicating the previously busy or unanswered extension you dialed, is now available.

▶ **Call Pick Up (Group)**

The Call Pickup feature lets you answer a call at your telephone for another extension in your call pickup group.

▶ **Call Pickup (Directed)**

Directed call pickup, lets you pick up a call for a specific extension even if that extension is not a part of your pickup group.

▶ **Caller Line Identification (CLI)**

HP-190 System supports CLI on Analogue & Digital extensions for internal as well as external trunks. It also supports DTMF tone format.

Call Forwarding:

HP-190 System supports the following scenarios for call forwarding.

- Call Forward - Immediate
- Call Forward - On busy
- Call Forward - On no Answer

▶ **Group ringing**

System supports group ringing for external incoming calls. The incoming trunk can be configured to a ring at maximum 5 extensions simultaneously. One of the extension of the group answers the call, while other extensions stop ringing.

Conference Call:

System supports maximum 8 Party ad-hoc conference feature. There are total 16 conferencing resources available.

▶ **Call Hunting**

In case of a hunt group, an incoming call is signaled at one of the group members. If this member does not answer the call, the call is assigned to the next member. All members of the hunt group can be reached at the same phone number.

HP-190 System supports more flexibility in terms of timer settings for hunting groups. The timers can be configured in the interval of 5 seconds.

▶ **Phone Mate Service (Parallel Ringing)**

Each extension can have one external number (Mobile number) as it's mate. Ring signal will be sent simultaneously to both devices. When one answers the call, other automatically stops ringing.

▶ **Call Waiting**

When there is an incoming call along with an ongoing call, Call waiting functionality will indicate the caller's number visually on the display of Digital phone. It can also be signaled acoustically by a short call waiting tone on Digital phones as well as on Analog phones.

▶ **Boss-Secretary**

HP-190 System supports Boss-Secretary feature where all incoming calls for the boss will be signaled to secretary first. So all calls will be monitored and then only important calls will be passed on to the boss.

▶ **Room to Room Call Barring**

HP-190 System supports Room to Room Call barring as one of the important feature of Hotel Applications. Call Barring allows you to bar certain types of calls from being made from the extension & also allows extension to bar incoming calls.

▶ **Music on Hold (MoH)**

HP-190 System supports Music on hold. The Music on hold file can be changed as per customers need. The required format for the audio file is. AU

▶ **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.

Trunk side Features:

▶ **Call Transfer**

System supports internal & external call transfer. HP-190 System supports Blind & Supervised Call Transfer.

- Blind Transfer involves transferring a call without notifying the recipient. It is also known as unsupervised transfer or cold transfer.
- Supervised Transfer involves consultation before transferring the call.

▶ **Direct Outward Dialing**

A user can dial out to an external number without any operator assistance.

▶ **Calling Time Restricted**

System can restrict the call duration. System can restrict when extension have long time calls with internal or external numbers.

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

Using this feature a digital extension user can press the hold key to put an existing call on hold. The hold call can be retrieved at a later stage.

▶ **Hotel Features**

HP-190 System offers following Hotel specific features:

- Check-in and Check-out
- Wake Up Call Service
- Room to room call barring
- PMS interface with Integrated call billing
- Do Not Disturb (DND)
- DID / DOD call

Other Features Supported

▶ Flexible feature codes
▶ Extension Name display on Digital phone
▶ Conference Call
▶ Hot-Line
▶ Phone Locking
▶ Automatic Day-Night service
▶ Timed Reminder
▶ Phone Book (Digital)
▶ Missed Call list (Digital)
▶ Force Disconnection
▶ Different ring tones
▶ Individual Speed dial
▶ System Speed dial
▶ Direct Inward Dialing
▶ Linear and Cyclic Seizure of Trunk Lines
▶ Do not disturb (DND)
▶ Private Trunk Line
▶ Automatic Trunk line checking
▶ Incoming only trunk
▶ Protection from over Voltage & Lightening
▶ Override
▶ Call Billing
▶ Subscriber/Trunk Status available on the front panel of the module

HP-190 Technical Specifications

Max. capacities of HP-190 System	
Total peripheral slots in the system	15
Analog subscriber card	8 Ports / Card
Digital subscriber card	4 ports / Card
Analog trunk card	8 Ports / Card
ISDN PRI card	1 Port / Card (30 Channels)
Max. number of analog subscribers that can be connected	120
Max. number of digital subscribers that can be connected	60
Max. number of analog trunks that can be connected	120
Max. number of ISDN PRI trunks that can be connected	60

Interface type	
Analog extension interface	Analog extension interface with a/b line 52V dc
Digital extension interface	2 wire digital
Analog trunk interface	Loop trunk, incoming ringing current, outgoing dual tone signal
ISDN PRI trunk interface	ITU-T G.703

Telephone requirement	
	Digital Phone 8150/8180
Analog phone	Normal analog phone with a/b interface

Power Supply	
Input voltage (AC)	220 to 260 V AC
Frequency	50 Hz
Power Consumption	< 50 W

Environmental Requirements	
Cabinet size	440mm x 270mm x 135mm | 19" Rack Mount (3U) | Standard delivery with wall mounting housing
Temperature	0 to +40 Degree Celsius
Relative Humidity	10% to 90% Relative

Technical specifications		
Parameter	Digital Phone 8150	Digital Phone 8180
LCD display size	81.2mmx24.9mm(WxH)	88.0mmx52.0mm(WxH)
LCD color	---	---
Number of rows	2	6
Number of characters / row	16*2	16*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
Phone book entries	100	300
Hands free dialing	Yes	Yes
Hands free talking	Yes	Yes
Interface to HP-190 system	2 Wire	2 Wire
Tilt able display	Yes	Yes
Headset port	Yes	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) 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 8150

Digital Phone 8180

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	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 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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