HP-256 communication system,
The perfect communication solution.

HP-256 series offers medium and large enterprises a highly reliable, technologically advanced and cost-effective communication system. It has the capability to meet the diverse and specific needs of immediate and emerging businesses.

HP-256 is specially designed for organisation's with up to 224 TDM users and up to 256 IP users (based on the system variant). HP-256 provides high efficiency, stability and reliability. It's enriched feature set helps Medium and Large scale organisation's to fulfill their business requirements at a reduced operational cost.

This system provides professional support for medium and large business operations across the verticals like Hospitals, Hotels, Educational Institutions, Media Houses, Production Houses etc where employees rely heavily on communications to carry out their day-to-day activities.

HP-256 series Communication System

PSTN

Analog trunks

ISDN PRI Trunk

Analog phone

Analog a/b wire

SIP Trunk

ITSP/3rd party PBX

Fax machine

SIP

Digital Interface

3rd party SIP phones

Digital Phone 8150

Digital Phone 8180

Features supported by HP-256:

Interactive Voice Response (IVR)

- In-built IVR for incoming PSTN (Analog & PRI) lines
- Supports multi-level tree structures
- Simultaneous 32 calls can be handled

In-Skin Voicemail

- In-skin voicemail (8/16ports)
- Voice Mail to e-mail integration
- Supports 500 GB hard disk and 17,750 hours of recording
- It doesn't consume any analog extension ports
- Supports WEB based management

Voice Recording

- In-skin voice recording (8/16 ports)
- Can record any interface (Analog / Digital extensions, Analog / PRI Trunks)
- Supports 500 GB hard disk and 17,750 hours of recording
- Supports WEB based management
- Supports selective port (Extensions & Trunks) recording

Conference

- HP-256 series supports up to 32 party ad-hoc conferences (based on system variant).
- Conference participants can be any combination of Internal and External caller

PC based Operator Console

- One key dialing
- Multi-incoming call info display
- Selective answering of calls
- Call queuing
- Supervised / Blind transfer
- Busy Lamp Field
- Override
- Directory services

In built Hotel Features

HP-256 series offers following Hotel specific features:

- Check-in / Check-out
- Wake Up Call Service
- Room to Room call barring
- Integrated call billing
- Do Not Disturb (DND)
- Display guest name at operator console
- Message Waiting Indication (only for Digital Phones)

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. Any one of them can answer the call, and other one would stop ringing immediately.

System Management

System management is supported via LAN/Serial port via USO software.

In-built Call billing application

- Integrated Call Billing application enables the administrator to monitor the phone usage and billing as far as call charges are concerned.
- Call billing application supports multi-type bills format like mdb, txt, xls etc.
- Flash Memory with 2 million call charge data records
- Secure management (only authorized user can access the call billing software)

Master / Slave mode for Digital phones

- HP-256 series systems support Master / Slave mode where Analog phones can be connected behind Specific models of Digital phones.
- The master-slave function is supported with Digital Phone 8150/8180.
- Maximum distance of the analog phone from the digital phone is 100 meters.

Flexible numbering

HP-256 series supports flexible numbering, the extensions can be 1-8 digits.

Flexible feature codes

HP-256 series supports flexible codes for features like Call back, Call pickup, Conference, DND, Override, Trunk Access etc.

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 part of your pickup group.

Caller Line Identification (CLI)

HP-256 series supports CLI on Analogue, Digital & IP Extensions for internal as well as external trunks. HP-256 series supports FSK / DTMF format.

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.

Call Forwarding:

HP-256 series supports the following scenarios for call forwarding.
- Call Forward - Unconditional
- Call Forward - On Busy
- Call Forward - On No Answer

Call Consultation/Toggle

HP-256 series supports call consultation where a user can put the existing call on HOLD and can accept the waiting call. It is also possible to toggle between two calls.

Call Hold

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

Group ringing

System supports group ringing for external incoming calls. The incoming trunk can configured to ring at maximum 56 extensions simultaneously. Anyone of the extensions of group answers the call, other extensions would stop ringing. Likewise 16 groups can be formed.

Call Hunting

In the 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 next member. All members of the hunt group can be reached via same phone number.

Hot-Line

System supports hot-line feature. The following type of hotlines are supported
- Immediate Hotline
- Delayed Hotline

Phone Locking

HP-256 series supports dynamic phone locking feature. This will enable an extension (Analog/Digital/IP) to lock his phone preventing from any misuse.

Call Waiting

When there is an incoming call to an extension already busy with previous 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.

DID/DOD

Users can make an outgoing call as well as can receive direct incoming call on their extensions without any operator assistance.

Timed Reminder

Any user can dynamically set a timed reminder from his phone using predefined codes.

Phone Book (Digital)

HP-256 series supports Digital phone 8150/8180 which can save 200 numbers of phonebook entries.

HP-256 Series Technical Specifications

HP-256 Series System	HP-256 C+	HP-256 T+
Total peripheral slots in the system	13 Slots	14 Slots
Analog subscriber card (SLA)	8/16 ports per card	8/16 ports per card
Digital subscriber card (SLU)	4/8 ports per card	4/8 ports per card
Analog trunk card (TLA)	8/16 ports per card	8/16 ports per card
4W E&M card	4 Ports per card	4 Ports per card
IP Subscriber card (IPS)	256 IP Ports (IPS 256)	64 IP Ports (IPS 64)
VoIP trunk card (IPT)	54 Channels	54 Channels
ISDN PRI card (PRI)	2 Port / Card (60 Channels)	2 Port / Card (60 Channels)
Max. number of analog subscribers that can be connected	208	224
Max. number of digital subscribers that can be connected	104	112
Max. number of IP subscribers that can be connected	256	64
Max. number of analog trunks that can be connected	208	224
Max. number of VoIP trunks that can be connected	54 Channels	54 Channels
Max. number of ISDN PRI trunks that can be connected	120 Channels	120 Channels

Interface Type	
Analog extension interface	a/b line 48V 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, Euro-ISDN

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

Power Supply	
Input voltage AC / DC	230 V AC +/- 10% / - 48 V DC
Frequency	50 Hz
Power Consumption	150 W
External Battery Backup	- 48 V DC

Environmental Requirements	
Cabinet size	486mm x 221.2mm x 312mm	19" Rack Mount (5U)	Table-Top option available with Housing
Temperature	0 to +45 Degree Celsius
Relative Humidity	10% to 90% Relative

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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