



SOPHO IPC 100

The advanced IP-PBX communication solution
for small and medium-sized organisations

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Sense and simplicity

Technology exists to help make our lives easier and more productive. So why is it so often such a hassle, full of complexity and frustration? At NEC Philips Unified Solutions, we believe that technology should be simple and easy to use. It's this very simplicity that transforms a task into an opportunity, a burden into a pleasure. Which is why the Philips SOPHO IPC 100 offers a voice communication system that is easy to experience, advanced and designed around you.

Designed around you

Designed to satisfy the growing needs of small and medium businesses, the IPC 100 is a professional, easy to use, easy to install and maintain communication solution. With a range of powerful features, your business will become more customer-focused and productive at a price that makes perfect sense.

Unlike most competitive systems, the IPC 100 does not force you to throw away your existing equipment. The IPC 100 is scalable. It is the only phone system that can start as small as 3 exchange lines and 8 extensions and grow to 96 extensions without having to replace a single item.



Advanced

What's more, the IPC 100 is future-proof. Because it is compatible with Session Initiation Protocol (SIP) – an internationally agreed standard for Internet telephony and Voice over IP (VoIP) – you can take advantage of new services and applications, no matter how fast technology advances.

SOPHO IPC 100

- Scalable
- Price competitive
- Future proof
- Easy to use
- Feature rich

Easy to experience

What can be simpler? Install an IPC 100 so you can concentrate on running your business without worrying about your phone system.

Looking for a
future-proof
phone system that
won't be obsolete
in a few years?
Take a closer
look at
SOPHO IPC 100.

Put your customers first

With the IPC 100 you will have all the advanced features you need to present an efficient, friendly and highly polished organisation – delighting your customers and motivating your staff. Your business becomes more productive, more customer-focused, and more profitable.



Protect your investment

The IPC 100 integrates seamlessly in your organisation and offers you and your customers many powerful benefits. However, there may be features that you don't need today but will be vital in the future.

Consider the emergence of the industry-leading Session Initiation Protocol (SIP), which is enabling many new features and applications, designed to make users more agile and mobile with information technology. The IPC 100 is a SIP enabled VoIP telephone system and therefore brings investment protection for your future communication requirements.

Add features when needed

CTI – to link your phone system to your computer.

SIP (VoIP) – to carry your long distance voice calls using ADSL/DSL broadband or your computer/internet network. With more and more ISPs providing SIP network connectivity, you will have a choice of service provider.

IP Telephony – To converge voice and data networks, and connect your phones directly to your computer network.

WLAN – Wi-Fi for a flexible alternative to DECT phones. You can use your PDA or computer as your mobile phone linking both to your e-mails and your phone system.



Intuitive management and end-user functionality make SOPHO IPC 100 the perfect “Connect & Call” system

Communication plain and simple

What will an IPC 100 system give you? It will connect you to the public phone network whether that is a traditional network such as analogue or ISDN lines, or a leading edge network such as SIP.

Build on your investment

Use your existing equipment

The flexibility of IPC 100 offers you the choice of deploying traditional circuit-switched telephony, wireless telephony through DECT, IP telephony or a combination of the three, all within a single system making this a true “hybrid” telephone system. You can make the most of your current investment and ensure a seamless transition for customers and staff.

Scale-up efficiently

Philips has ensured that as your business grows, nothing is wasted. The IPC 100 does not force you to throw away your existing main cabinets when your business grows to 20-30 extensions. Just add another SOPHO IPC 100 Cabinet and keep growing.

Start as small as 3 exchange lines and 8 extensions. With additional interface cards and cabinets you can grow to 27 exchange lines and 72 extensions. If you wish to add IP extensions then IPC 100 can support up to 96 extensions.



Efficient, flexible and easy to use

The IPC 100 has the features that give you real business benefits. For instance, if you're on one call and need to answer another, just press one button to put the original call On Hold and take the new one.

Dialling out is made easy too with features like Abbreviated Dialling and Last 10-number Redial, saving you time on the most important calls. Or using CTI (Computer Telephony Integration) use your mouse for point and click dialling from your PC.

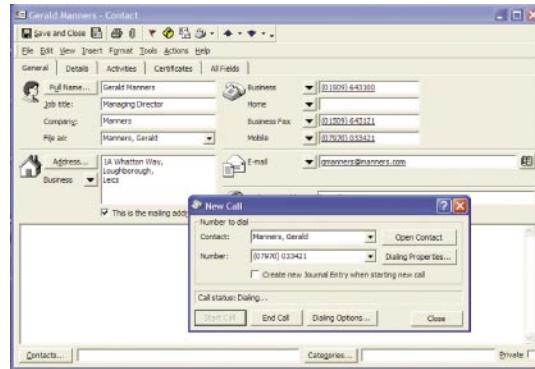
Our Call Centre features give you 'large corporate' benefits at an affordable price. The IPC 100 can distribute calls evenly to assigned staff or in a priority order. If one group member is busy, the call is forwarded to the next group member. If all your staff are busy you can queue callers and play holding messages.

To make sure customers and suppliers receive the attention they deserve, the IPC 100 also uses Calling Number Display, which can identify a caller's name and telephone number, enabling you to answer with a personal greeting.

IPC 100's 8 port Integrated Digital Voicemail has up to 15 hours of message time, and a host of flexible options such as pressing one button to use Conversation Record to store conversations in your mailbox.

Message Centre buttons allow two people sharing a phone to have their own message-waiting indicator. Each person can see if he/she has any new messages.

IPC 100 integrates with your other most important productivity aid - your PC. Using Microsoft TAPI® you can easily connect your phone to your MS Outlook® Contact Manager application allowing point and click dialling and being able to pop up your caller's contact details before you answer the call.



Link your phone to your PC to make and take calls with a click of your mouse.

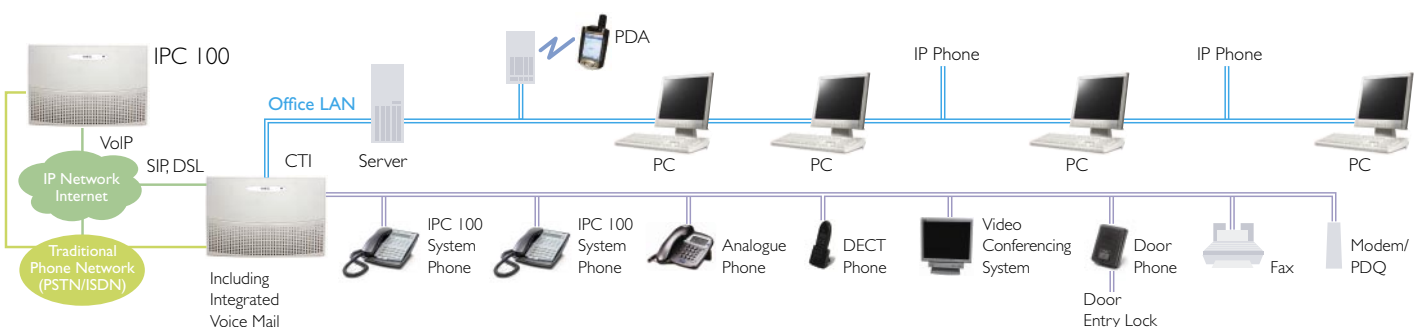
A perfect host

The SOPHO IPC 100 has a wide range of features meeting the specialized needs of the hospitality industry. The hospitality features include the following hotel and guest specific services:

- Check-in/check-out
- Room occupied/available
- Room ready for cleaning status
- Single digit dialling to key hotel services
- Toll restriction
- Wake up call
- Don't disturb
- Message waiting
- Room to room calling
- Room monitor – baby listening

A hotel can provide voice announcements for the wake-up calls. The receptionist's telephone can have a DSS console assigned to show the status of the hotel room telephones, of which print-outs can be made as well as detailed call logging.

The flexibility of SOPHO IPC 100



Feature-rich, easy to use

Phone Systems

16 button system and display phones
also available

22-button system phone



- 12 buttons for Busy Lamp Field, phone lines and features 360° call indicator
- 10 Personal Speed Dial Buttons
- Dual-colour LED line button indicating call status at a glance
- Height adjustment and built-in wall mounting
- Hands-free dial/answer back
- Colour options: black or white

22-button display phone



- 2 line, 16 character display
- 12 buttons for Busy Lamp Field, phone lines and features 360° call indicator
- 10 Personal Speed Dial Buttons
- Dual-colour LED line buttons indicating call status at a glance
- Height adjustment and built-in wall mounting
- Full hands-free operation

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Add-on module 64



- Operator/Receptionist add-on module
- 64 function/number/busy lamp (Busy Lamp Field) buttons
- External/internal paging zones buttons
- Alternate Answer Call button
- Two Door Phone buttons
- Day/night mode button

Add-on module 24



- Add-on module for Power Users
- 24 function/number/busy lamp (Busy Lamp Field) buttons
- Dual Colour LED buttons indicating call status

IPC Door Phone



- Call forward to remote destination
- Time of day ring assignment
- Door Entry Lock control

The IPC 100 has all the features you would expect

Account/Client/Project Codes (2000)
Account Codes – Forced/Verified (1000)
Automatic Day/Night Service (8 Levels)
Automatic Operator
Automatic Route Selection (ARS)
Battery Backup
Call Center Features
Call Cost Logging

Call Forwarding – Busy/Answer
Call Forwarding from Door phone
Call Forwarding to external number
Call Forwarding with Follow Me
Call Park – 64 Locations
Call Queuing – Extension/Operator
Camp On/Callback
Computer-Telephony Integration (CTI)

Conference (16 ccts standard)
Conversation Record
DDI Call Routing
DDI Step On
DISA (16 channel voice response unit)
Door Bell/Door Phone/Door Lock
Dual Colour LED on Phones
E-mail Fault Reporting

Competitively
priced
with powerful
features



Display

2 line 16 Character Display

Display Prompts

Called/Calling Name and Number
DDI Name and Number
Directory Names
Missed Calls Name/Number (10)
Second Call Indication
Text Messages

Message/Ringer Lamp

360° Vision

12 Line/Busy Lamp Soft Buttons

User Configurable
Dual Colour Indication
One Touch Feature Access
Show Status of Colleagues

10 Speed Dial Keys

One Touch Dialling of Frequently Called Numbers

Directory Dialling

2000 Number/Name Phone Book

Ring Tones

Differentiate External/Internal Calls

Hands-free dial/answer back

Volume Controls

Alter Speaker/Microphone/Music Volume

In-Built Wall Mount

from a large corporate phone system, including:

Ethernet/LAN Port
Hunt Groups
Hybrid Extension Ports
Intercom Call –Voice Activated answer
IP Trunks & Extensions
Manager Intrude (Barge In)
Missed Call Indication
Music on Hold (Int/Ext)

Online Programming
Paging – Internal/external
Park and Page
Personal Messaging
Phone Lock (Access Code)
Queue Messaging
Redial
Room Monitor

S Bus/S₀ (ISDN)
Secretary Features
Silent Monitor
Telephone Directory – 2000 names
Trunk to Trunk Transfer
Virtual/Phantom Extensions - 50
Voice Mail – Integrated or third party

SOPHO IPC 100 Capacities

| | One Cabinet | Two Cabinets | Three Cabinets |
|-----------------------------|-------------|--------------|----------------|
| Analogue Exchange Lines* | 9 | 18 | 27 |
| ISDN BRI Trunks* | 16 | 32 | 40 |
| IP Trunks* | 16 | 24 | 24 |
| Analogue/Digital Extensions | 24 | 48 | 72 |
| IP Extensions | 24 | 24 | 24 |
| ISDN S ₀ | 16 | 32 | 48 |
| Maximum concurrent IP calls | 16 | 24 | 24 |

* Maximum available Trunks = 51

System quantities

| | | | | | |
|---------------------------------------|----------|------|------------------------------|----------|-----|
| Internal Paging Zones | Max. | 32 | Digital Voice Mail Boxes | Optional | 300 |
| Conference Circuits | Standard | 16 | Digital Voice Mail Ports | Optional | 8 |
| | Optional | 32 | VRS Channels | Optional | 16 |
| Abbreviated Dialling - Personal | Standard | 20 | Door Phones* | Optional | 2 |
| Operating Modes (Day, Night, etc.) | Standard | 8 | Control Relays / Door Locks* | Optional | 2 |
| | | | RS - 232C Port | Optional | 1 |
| Power Fail Transfer Ports* | Standard | 1 | LAN Port | Optional | 1 |
| DDI Table Entries (ISDN) | Optional | 2000 | Battery Backup - System | Optional | 1 |

* Per cabinet

All trademarks acknowledged.

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