PANASONIC PHONE BUYERS GUIDE

Panasonic has been through many transformations during its 100 years as an electronics powerhouse. From its humble beginnings as a lamp socket manufacturing, to the age of analog televisions, Panasonic has led the way for electronics manufacturers. At one time, 30% of Panasonic’s business stemmed from the analog television market, which has since come and gone, and is a demonstration of Panasonic’s resilience and electronics expertise.

Today, Panasonic is the leading provider of PBX systems under 100 extensions and DECT technology. They offer UC solutions for businesses large and small, from home offices to executive suites.

What Sets Panasonic Phones Apart?

Panasonic phones include high-end features with cost-effective pricing. High-definition audio and compatibility with peripherals such as headsets and EHS devices leverage Panasonic phones over the competition. Panasonic has also made a commitment to the environment, ensuring their devices are manufacturing with a certain degree of eco-consciousness.

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www.ipphone-warehouse.com | 1-888-201-9056
Panasonic VoIP Phones

SIP phones from Panasonic offer interoperability with a range of other SIP-compatible devices. They cut large price tags and enable smooth communication operation.

**Popular Available Features**
- Many line appearances
- PoE-enabled Ethernet ports
- Energy-saving modes
- SIP based

**General Considerations**

Still not sure which IP solution is right for you? VoIP phones cater to different work environments, job descriptions, interaction preferences and more, all while needing to remain user-friendly. Part of being user-friendly rests on the user choosing the correct solution.

In choosing the right VoIP phone, here are a few considerations:

**Line Appearances**

A line appearance is how your phone displays the lines that are connected or accessible to it. How you see the line on the phone's interface, what details are included in the line appearance, and other details, depend on the phone model.

Choosing the correct line appearance is important. If you are a casual phone user, you may not be affected if you can't see who is calling or from what line, but power users rely heavily on line appearance. Receptionists, for example, need access to every line plus detailed descriptions to ensure they are relaying the correct information.

Some phones can be expanded with attendant modules to display a long list of lines. For more basic phones, they cannot be expanded.
General Considerations

Switch Ports & Other Connections

Switch ports are what connect VoIP phones to the switch. These phones can have dual switch ports, which allows multiple IP devices to daisy chain together and borrow resources.

LAN and PC ports allow computers to connect to the phone and access the Internet via the phone's connection to the network switch. Some VoIP phones may also have built-in USB ports, which enable them to share data with other devices, and to transfer data to and from compatible USB storage devices.

Extra connectivity options are sometimes not immediately relevant or important, or they could be essential to assisting your everyday communications.

Wired Connections

- **Ethernet Speeds**

  VoIP phones receive data from the network switch via Ethernet cabling of varying available speeds and types. Standard Ethernet provides 10/100mbps, which is great for most basic VoIP phones; but large multimedia phones with video conferencing abilities will require more bandwidth to accommodate bandwidth-intensive traffic. Ethernet gigabit cabling allows ten-times the bandwidth as standard Ethernet, at 10/100/1000mbps.

- **PoE or AC Power**

  Another consideration is how your VoIP phone receives power. The VoIP phone you are interested will either use a traditional AC adapter, PoE, another connection type, or it can support two methods. Again, make sure everything is compatible.

  PoE, for example, works by powering a PoE-enabled device through the PoE-enabled Ethernet port on the network switch. This kind of device might not include a connection for an AC adapter, or it could have both AC and PoE capabilities.
General Considerations

Standard vs. HD

The audio and video quality on your VoIP phone can either negatively or positively affect your appearance. Standard definition audio and video is recommended for more casual users, or for quickly communicating information. High definition audio and video is recommended for maintaining a higher level of professionalism; namely, for larger enterprises, video conferencing, or those looking to make a good impression.

The audio and video quality on your VoIP phone is largely determined by its connection to the network and its own capabilities to reproduce the data it’s receiving. Make sure your network can maintain a high definition device.

Screen/Display Size

Consider the screen size on your VoIP phone. If you would like a more versatile interface, then a larger screen is a good choice; if you just need to make phone calls, then a screen may not even be a necessary component.

Locations for a Small Screen:
- Cubicle
- Warehouse
- Waiting Room

Locations for a Large Screen:
- Receptionist
- Meeting Room
- Executive Office

Some VoIP phones also offer touchscreens and adjustable displays, which are ideal for video phones and those looking for a high-tech solution.
### General Considerations

#### Protocol

A protocol is a set of rules that the VoIP phone and connected devices abide by to provide telephony. There are different types of protocols, such as SIP and SCCP. SCCP, for example, is a proprietary protocol used only on Cisco devices. SIP, on the other hand, is an open source protocol that is more widely used on telephony devices. Protocol features will vary, so a little research is helpful in determining the right solution.

#### Wired, Wireless or DECT?

- **Wired**
  
  Desktop phones provide the best quality possible, but sacrifice mobility. Headsets allow extended range of use for desktop phones, but rely on the phone's base to send and receive information.

- **Wireless via Wi-Fi**
  
  Wireless Wi-Fi phones offer on-site mobility, allowing the handset to send and receive information via wireless access points. The more wireless access points, the greater range of use. The trade-off is that wireless phones sacrifice quality in doing so because Wi-Fi is not usually as reliable as a stable cord or cable.

- **Wireless via DECT**
  
  Wireless DECT phones are similar to wireless Wi-Fi phones, in that DECT phones rely on some kind of outside unit sending and receiving data to the phone. DECT phones connect wirelessly to a base unit that is plugged into the network, and this base unit can transmit signals to repeater units that extend the reach of the DECT phone.
## Wired, Wireless or DECT?

### Considerations

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### IP Phone Warehouse Support

Panasonic phones from IP Phone Warehouse feature available customer support. We can assist with technical questions, general FAQ and more.

IP Phone Warehouse support lines are available Monday through Friday, 8:00AM to 5:00PM CST.

Call us at: 1-888-201-9056.