

# Aspire™

For a Converged World



Empowered by Innovation

**NEC**

# Aspire™

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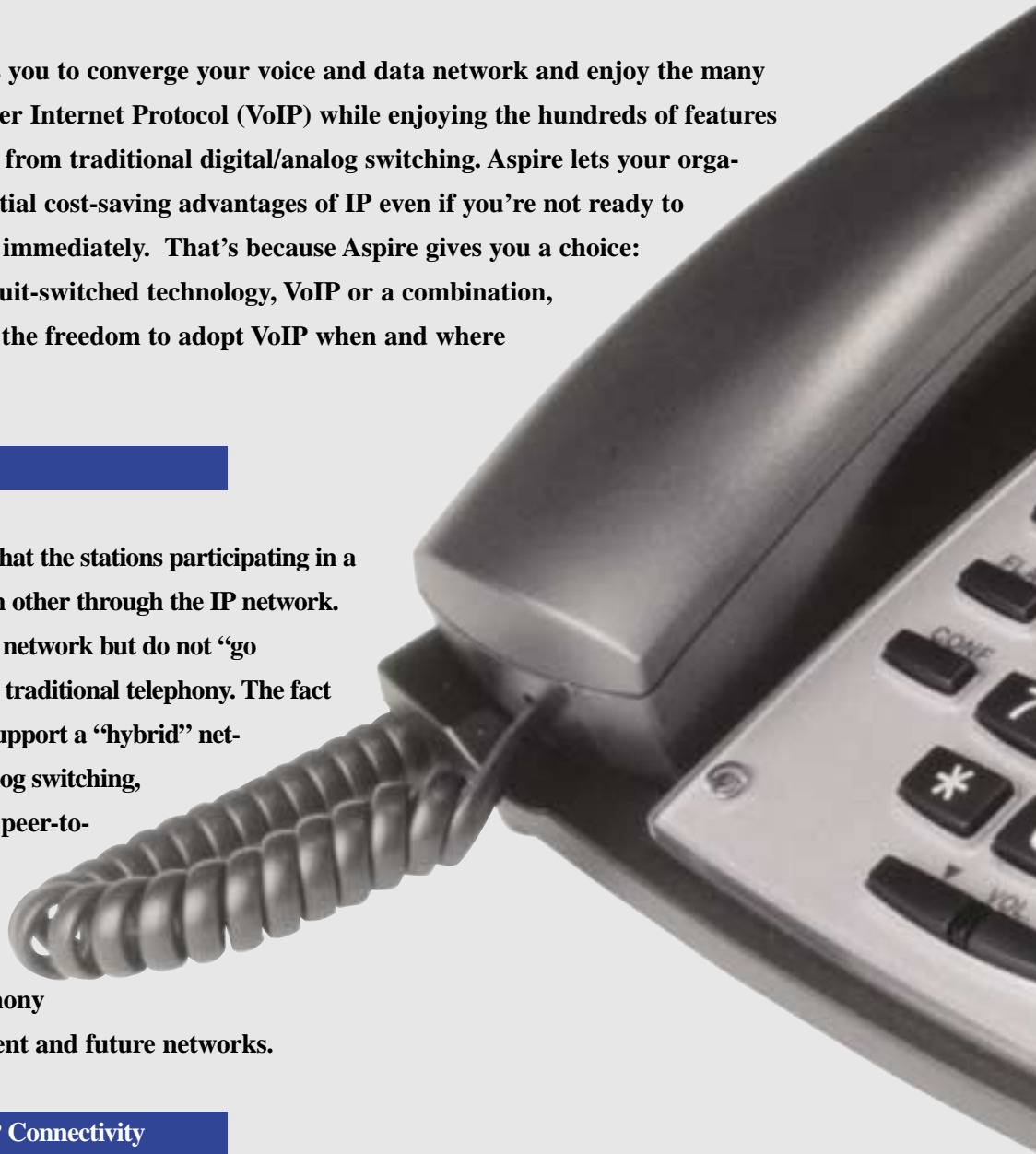
**A**spire from NEC allows you to converge your voice and data network and enjoy the many advantages of Voice over Internet Protocol (VoIP) while enjoying the hundreds of features you've come to expect from traditional digital/analog switching. Aspire lets your organization benefit from the potential cost-saving advantages of IP even if you're not ready to migrate to 100% IP Telephony immediately. That's because Aspire gives you a choice: You can deploy traditional circuit-switched technology, VoIP or a combination, all from one system! You have the freedom to adopt VoIP when and where you need it.

## What is Peer-to-Peer Switching?

“Peer-to-peer” switching means that the stations participating in a call are connected directly to each other through the IP network. The signals travel through the IP network but do not “go through” the switch as they do in traditional telephony. The fact that Aspire can function in and support a “hybrid” network with traditional digital/analog switching, IP/TDM/IP switching and pure peer-to-peer IP switching means that users can continue to utilize their existing equipment while they begin to phase in IP Telephony and lay the foundation for current and future networks.

## Reduced Costs of Peer-to-Peer IP Connectivity

- Maintain one network rather than two
- Bypass the long distance carrier by sending voice calls over the data network
- Single cable termination to the desktop
- Reduced brick and mortar expenses by deploying main office features to remote personnel



... the right technology, the right time, the right choice.



# Aspire™

Aspire's elegant sophisticated design delivers productivity and versatility to your work environment.

NEC's Aspire **Voice over IP** (VoIP) solutions allow you to place voice calls over the data **network**. VoIP reduces long distance charges by using IP to connect multiple office locations and telecommuters. Remote workers also have access to main office features, such as voice mail, allowing offices to operate as a single unit.

The **Aspire S** delivers many of the high-powered features of the Aspire but in a package tailored for companies using 24 phones or less. Networking to the Aspire using VoIP makes Aspire S a great system for the small/home/branch office.

**AspireMail**, an optional digitally linked in-switch voice mail, provides sophisticated features that save time and money. **Return call with Caller ID** saves caller ID information for inside- and outside-originated calls. **Answering Machine Emulation** is helpful when you are waiting for an important call. It lets you listen while a caller is leaving a message for you. **Message Center Keys** allow two people sharing the same phone to have their own message waiting key. Each person can see if he/she has new messages. **Conversation Record** saves and records your conversation into your mailbox with the touch of a button. **Park and Page** allows a caller to page you before leaving a message. You can pick up the call from any station.

**Automatic Call Distribution (ACD)** distributes calls evenly among member agents and provides initial and repetitive announcements that encourage callers to remain

online. Callers can leave a message if they choose to receive a callback from an agent. Optional PC-based **Supervisor with Reports** can be used for agent scheduling.

**Wireless/Cordless** phones keep employees connected while away from their desk. Aspire provides a variety of mobility solutions to connect your whole campus or just your office.

**System maintenance** allows for online HTML-based programming access either onsite or over the Internet. Using browser software simplifies the process for changing names or speed dial settings. Special PC software is available for off-line programming and remote access by modem.

**Call Logging** saves information about incoming and outgoing calls. Logged calls can be redialed or saved to speed dial.

Aspire's **Automatic Route Selection (ARS)** system decides whether to place a call with a long distance carrier, over IP or, if allowed, a local trunk. You specify how you want your calls to be routed.

**E911 Compatibility** identifies the origination of an E911 call so emergency services can reach the specific extension location quickly.



**Separate Headset Jack –**  
Using a headset is convenient and easy.

**Interactive Display –** Three-line, 24 character tilt display with associated soft keys. Contrast Control adjusts the display characters for easy viewing.

**High Visibility Message Waiting Indicator –** Message indicator can easily be seen.



**Interactive Soft Keys –** Change to provide intuitive feature access.

**24 Programmable Function Keys –** User programmable for one-button access to co-workers, features and outside lines.

**15 Fixed Feature Keys –** Quick access to commonly used features.

**Adjustable Legs –**  
Elevates the telephone for two additional angles.

**Wall Mount –**  
Each telephone has a built-in wall mount bracket.

**Volume Control –**  
Adjust volume levels for the speaker, ringer and handset individually.

**Multi-colored Faceplate Inserts –**  
Changes the look of the telephone to fit in with the office décor.

**Speakerphone –**  
Built-in for hands-free operation.

**Optional Snap-on Module –** Connect full duplex speakerphones, cordless telephones, modems, TAPI, IP networks and recording jacks.

# Aspire™

Aspire is an attractive addition to any work environment. With many models to choose from, each station user can enjoy customized service and performance. From a two-button terminal to a 34-button display with 110-button DSS Console, standard intelligent features can help raise productivity throughout your enterprise or small business.



*34-Button Super Display*



*34-Button IP Phone*



*22-Button Display with Console*



*34-Button Display with Console*



*Cordless II/Cordless Lite II*



*Aspire Cabinet  
19" Rack Mountable*



*Aspire Wireless*



*Aspire S  
Cabinet*



*22-Button*



*2-Button*

# Aspire™

## Aspire Versatility

### Usability

- Built-in headset jack
- Call coverage keys
- Caller id logging
- Contrast control
- Last number redial list (10)
- One touch feature operation
- Tilt display

### Flexibility

- Adjustable height telephone
- Flexible numbering plan
- Universal card slots
- Virtual extension keys

### Serviceability

- On-line programming
- Remote programming
- Self diagnostics
- Single pair wiring

### Versatility

- Analog trunks and stations
- Colored face mats
- Digital trunks and stations
- DID trunks
- E&M trunks
- IP trunks and stations
- i-Series telephone support
- T1/PRI trunks
- TAPI compatible

### Scalability

- Application processors
- IP keysets
- IP trunks
- Software upgrades
- Universal line/station card slots

### Manageability

- Account codes, forced & verifiable
- Automatic call distribution
- Automatic route selection
- Built-in mini gatekeeper
- IP networking
- Networking

- Toll restriction
- User programming
- Walking class of service
- Web-based programming

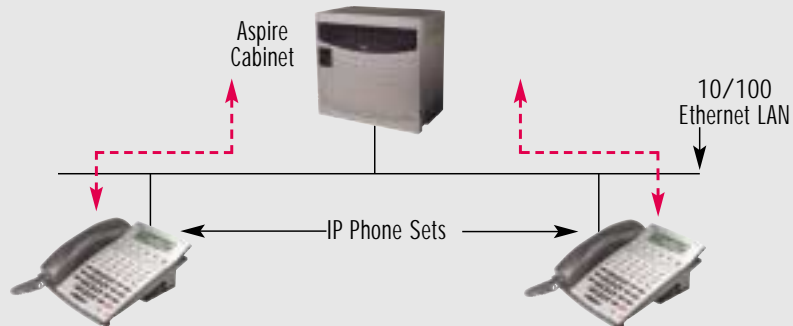
### Adaptability

- In-switch Aspire Mail Cards
- Media Gateway
- Switching Hub
- In-server Card
- Wall, floor, 19" rack mountable cabinet
- TDM and/or IP

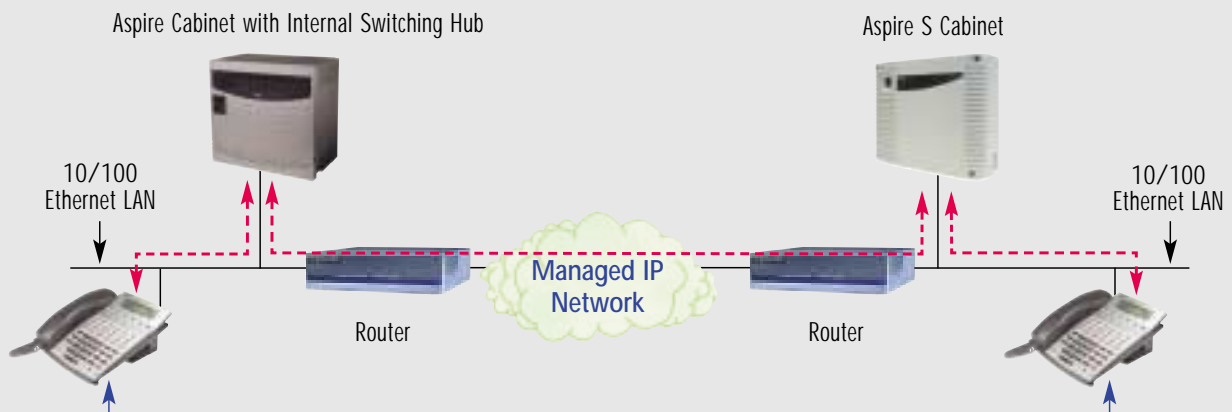
## Node-to-Node Peer-to-Peer IP Connectivity In LAN

←-----→  
 The Aspire unit assists in the call setup process and provides the full range of Aspire telephony features.

←-----→  
 Once the call is established, it is "carried" only by the network. The Aspire only "re-enters" when requested to provide call control features.



## Node-to-Node Peer-to-Peer IP Connectivity Across WAN



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 6555 N. State Hwy 161, Irving, Texas 75039  
 Aspire is a trademark of NEC Infrontia Corporation.  
 Some features may be optional or available at a future date. Recording of phone calls is subject to varying state and federal laws. The information herein is subject to change without notice at the sole discretion of NEC.

To find out more about Aspire and how NEC's powerful and versatile technology platforms can work for you, contact your local NEC dealer, visit our web site at [www.cng.nec.com](http://www.cng.nec.com) or call 800-365-1928.



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