

## Designed for Asterisk® and Switchvox®

Digium phones are designed exclusively for use with Asterisk and Switchvox. All models include unprecedented HDVoice and plug-and-play deployment at a price that fits any budget. With multiple line appearances, contextual soft keys, and advanced applications, you can access the information you need instantly. Digium's phones are the only phones that allow you take full advantage of the flexibility and customization of Asterisk and Switchvox.



**D70**

Digium's executive-level phone with 6 line keys designed for administrators and executives who need to manage up to 100 contacts.



**D50**

Digium's mid-level phone with 4 line keys and 10 rapid dial/busy lamp field keys for your most important contacts.



**D40**

Digium's entry-level phone with 2 line keys. This is Digium's best value phone designed for any employee in the company.

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### Advanced Applications

Access to information is the key to productivity in today's business environment. The integrated applications that come standard on all Digium phones put critical information at your fingertips. With voicemail, call log, contacts, phone status, user presence, parking and queue metrics, the Digium phones provide simple, intuitive access to a wealth of information, saving valuable time.

### Easy Installations

Standards-based IP phones have a reputation for being difficult to install and configure. Most systems require changes to network configurations or additional components. Digium phones support plug-and-play provisioning. Simply plug these phones in, automatically discover your Asterisk or Switchvox server, select the user, and start talking. It is that simple.

Installing an entire office with Switchvox is even easier. Simply scan a barcode from the box and the phone is instantly linked to a Switchvox user. When the phone starts up it will automatically pull the proper configuration from the server. **No-touch installation** — *that's innovation.*

	D40	D50	D70
HDVoice	✓	✓	✓
Line keys	2	4	6
Feature keys	4	6	10
Rapid Dial/ Busy Lamp Field Keys		10	10 keys 100 Contacts
LAN Connection	100 Mbps w/ Switch	100 Mbps w/ Switch	1000 Mbps w/ Switch
Main Display	3.5 inch	3.5 inch	4.5 inch
Rapid Dial Panel		Paper	LCD
Power over Ethernet (PoE)	✓	✓	✓
Full Duplex Speaker Phone	✓	✓	✓
Advanced Phone Applications	✓	✓	✓

**HDVoice**

# Digium Phones for Asterisk

## D40

### User Interface

3.5 inch, 240 x 120 pixel backlit grayscale LCD display  
2 line appearance keys  
4 feature keys  
4 context sensitive soft keys  
6-key navigation controller  
Headset, speaker, and mute keys  
2-color LED Message Waiting indicator  
Volume control

### Connections

RJ-9 handset jack  
RJ-9 headset jack  
2 switched 10/100 Mbps Ethernet ports  
5 volt DC power port

## D50

### User Interface

3.5 inch, 240 x 120 pixel backlit grayscale LCD display  
4 line appearance keys  
6 feature keys  
4 context sensitive soft keys  
6-key navigation controller  
10 programmable Rapid Dial / BLF keys  
Headset, speaker, and mute keys  
2-color LED Message Waiting indicator  
Volume control

### Connections

RJ-9 handset jack  
RJ-9 headset jack  
2 switched 10/100 Mbps Ethernet ports  
5 volt DC power port

## D70

### User Interface

4.5 inch, 320 by 160 pixel backlit grayscale LCD display  
6 line appearance keys  
10 feature keys  
4 context sensitive soft keys  
113 x 357 pixel backlit Rapid Dial panel LCD  
10 x 10 programmable Rapid Dial / BLF keys  
6-key navigation controller  
Headset, speaker, and mute keys  
2-color LED Message Waiting indicator  
Volume control

### Connections

RJ-9 handset jack  
RJ-9 headset jack  
2 switched 10/100/1000 Mbps Ethernet ports  
5 volt DC power port

## General Specifications

### Phone Applications

Voicemail  
Contacts  
Presence / Status  
Call Log  
Parked Calls  
Call Queues  
Info

### Phone Features

Auto answer  
Headset answer  
Distinctive ring  
Custom ring tones  
Call waiting  
Call transfer (blind and assisted)  
Call forward  
Call hold  
Call parking  
Call pickup  
Intercom / Paging  
Message Waiting Indication (MWI)  
Busy Lamp Field (BLF)  
3-way conferencing  
Do Not Disturb (DND)  
Redial  
Call timer  
Caller ID display

### Audio Features

Handset, speaker and headset modes  
HD speaker  
HD microphone with acoustic isolation  
Full duplex speakerphone with echo cancellation  
Wideband: G.722 HD codec  
Narrowband: G.711, G.726, G.729AB  
Voice Activity Detection (VAD)  
Calling tones (CNG)  
Acoustic Echo Cancellation (AEC)  
Packet Loss Concealment (PLC)  
Adaptive Jitter Buffer (AJB)  
Automatic Gain Control (AGC)  
Background noise suppression

### Network Support

Static or DHCP IP address assignment  
SNTP time synchronization  
Priority queuing, VLAN, LLDP  
NAT traversal  
QoS

### SIP / VoIP Support

SIP v2  
UDP, TCP transport  
Incoming in-band DTMF  
DTMF over SIP  
SIP peer-to-peer  
SIP presence (Subscribe/Notify)  
Per-account digit map/dial plan  
Dial using SIP URI  
Dial using SIP server  
Secure SIP authentication

### Provisioning

Digium proprietary provisioning service  
Manual provisioning from phone GUI  
Auto-provisioning by DHCP option 66  
Provisioning via phone UI

### Management

Digest authenticated login to phone web UI  
Firmware update via browser  
Factory restore via GUI  
Remote logging via Syslog

### Safety

FCC Part 15 Class B  
CE Mark  
UL 60950

### Operating Conditions

Temperature: +32° to 122° F / 0 to 50° C  
Relative Humidity: 5% to 95% noncondensing

### Storage Temperature

-4 to +160°F / -20 to +70°C

### Size

D40: 6.5 x 8.25 x 6.25 inches /  
16.51 x 20.95 x 15.88 cm  
D50: 6.5 x 10.5 x 6.25 inches /  
16.51 x 26.67 x 15.88 cm  
D70: 6.75 x 12.5 x 6.25 inches /  
7.15 x 31.75 x 15.88 cm

### Weight

D40: 3 lbs 2 oz / 1.42 kg  
D50: 3 lbs 7 oz / 1.56 kg  
D70: 4 lbs / 1.81 kg

### Warranty

One year

