

# Digium® Phones

Designed for Asterisk® and Switchvox®



## D50

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

## D70

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

**Digium phones are designed exclusively for use with 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. Enhance your user's productivity with built-in advanced applications such as voicemail, call log, contacts, phone status, user presence, parking and queue metrics. Digium phones provide simple, intuitive access to a wealth of information, saving valuable time. With the phones' open JavaScript API, you can also build customized applications to tailor the user experience to your specific needs. Digium's highly-integrated phones are the only phones that allow you take full advantage of the flexibility and customization of Asterisk and Switchvox.



## D40/D45

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

	D40/D45 Entry-level	D50 Mid-level	D70 Executive-level
Line Keys	2	4	6
Feature Keys	4	6	10
Rapid Dial/ Busy Lamp Field Keys	0	10 keys	10 keys - 100 contacts
Ethernet LAN and PC Port	10/100Base-T (D40) 10/100/1000Base-T (D45)	10/100Base-T	10/100/1000Base-T
Main Display	3.5 inch	3.5 inch	4.5 inch
Power over Ethernet (PoE)	■	■	■
Advanced Phone Applications	■	■	■

## HDVoice

Learn more at [www.digium.com/phones](http://www.digium.com/phones)

# Digium Phones for Switchvox and Asterisk

## General Specifications



### D40/D45

#### 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 (D40)  
2 switched 10/100/1000 Mbps Ethernet ports (D45)  
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

#### Phone Applications

Visual 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  
Full duplex speakerphone with echo cancellation  
Hearing aid compatible  
Wideband: G.722 HD codec  
Narrowband: G.711, G.726, G.729A  
Acoustic Echo Cancellation (AEC)  
Background noise suppression

#### Network Support

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

#### Language Support

English  
German  
French  
Italian  
Portuguese  
Spanish  
Dutch

#### SIP / VoIP Support

SIP v2  
UDP, TCP transport  
DTMF, RFC2833  
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

DPMA (Digium Phone Module for Asterisk)  
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

#### Regulatory Compliance

FCC Part 15 Class B  
CE Mark  
UL 60950

#### Maximum Power Consumption:

D40: 3W  
D45: 5W  
D50: 4W  
D70: 8W

#### 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/D45: 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/D45: 3 lbs 2 oz / 1.42 kg  
D50: 3 lbs 7 oz / 1.56 kg  
D70: 4 lbs / 1.81 kg

#### Warranty

One year

#### Digium, Inc. • [www.digium.com](http://www.digium.com)

445 Jan Davis Drive NW  
Huntsville, AL 35806, USA  
**+1 256-428-6000**

#### Europe/Africa

South Africa +27 87 550 2590  
United Kingdom +44 845 564 1419

#### Asia Pacific

Australia +61 28 073 4490  
New Zealand +64 9 9 51 5875