

THE DIGITAL WORKSHOPS PARTNERSHIP LTD

Digital House 21 Willingdon Park Drive
Eastbourne, East Sussex BN22 0BS

T 01323 525 915
F 01323 525 914

sales@digitalworkshops.co.uk
www.digitalworkshops.co.uk

IP50 VoIP entry level telephone

Key Features Overview:

- SIP protocol
- 3 SIP accounts
- Hands free operation
- 3 party conference
- Do not disturb function
- Configuration via keypad and / or WEB browser



Connections:

- 2x RJ45 Ethernet port (1x network / 1x PC)
- Handset (RJ plug)
- 1 x WAN interface
- 1 x LAN interface

Functions:

- Alphanumerical dot matrix display with 2 rows / 16 characters each
- 10 function keys (fixed)
 - 1 IP Info
 - 2 Call forwarding,
 - 3 do not disturb,
 - 4 - 6 Memory (No. 1 – 3 out of the short dial list)
 - 7- 9 line keys (No. 1-3 of the SIP accounts),
 - 10 mute
- 1 function keys (fixed)
 - Hands free operation
- 5 soft keys:
 - 1 incoming callers list (11 entries),
 - 2 outgoing callers list (11 entries),
 - 3 Phonebook,
 - 4 Menu,
 - 5 O.K button
- 4 operation keys:
 - 1 Conference,
 - 2 Transfer,
 - 3 Hold,
 - 4 Redial (1 entry)

**TelecommunicationsComputerNetworksInternetConnectivity
ComputerTelephonyIntegrationElectronicMessagingAndMore**

The Digital Workshops Partnership Ltd

THE DIGITAL WORKSHOPS PARTNERSHIP LTD

Digital House 21 Willingdon Park Drive
Eastbourne, East Sussex BN22 0BS

T 01323 525 915
F 01323 525 914

sales@digitalworkshops.co.uk
www.digitalworkshops.co.uk

Features:

- 3 SIP accounts
- hands free operation
- Phone book memory with 140 entries
- 3 Speed dial keys
- Redial memory (sep. incoming – outgoing calls)
- Callers list
- Call preparation
- Mute
- Call time display
- CLIP
- Call Hold, Call Waiting and Call transfer
- Conference (3PTY)
- DND (Do not disturb)
- Call forwarding (CFU, CFB, CFNR)
- Configuration via: Telnet, Browser, Keypad
- NAT traversal:
 - STUN
- QoS
 - ToS field
- In-Band DTMF, RFC-2833, SIP Info
- Firmware upgrade by TFTP, HTTP, Telnet
- MD5 for SIP authentication (RFC 2069 / RFC 2617)

Technical Specifications:

Hardware Overview:

- Main Chip – CM5000
- Data Memory – 16MBit
- Program Memory – 64MBit
- Ethernet Jack – 2 x 10/100MBit jacks
- AC/DC adapter – Input AC230V, output 9V

Sound Quality

- VAD (Voice Activity Detection)
- CNG (Comfortable Noise Generator)
- LEC (Line Echo Canceller)
- Packet Loss Compensation
- Adaptive Jitter Buffer

Network Protocol

TelecommunicationsComputerNetworks**InternetConnectivity**
ComputerTelephonyIntegrationElectronicMessaging**AndMore**

THE DIGITAL WORKSHOPS PARTNERSHIP LTD

Digital House 21 Willingdon Park Drive
Eastbourne, East Sussex BN22 0BS

T 01323 525 915
F 01323 525 914

sales@digitalworkshops.co.uk
www.digitalworkshops.co.uk

- SIP v1 (RFC2543), v2(RFC3261)
- IP / TCP / UDP / RTP / RTCP
- IP/ICMP / ARP / RARP / SNTP
- TFTP Client / DHCP Client / PPPoE Client / Static IP
- Telnet / HTTP Server
- DNS Client

Audio Codecs:

- G.711: 64k bit/s (PCM)
- G.723.1: 6.3k / 5.3k bit/s
- G.726: 16k / 24k / 32k / 40k bit/s (ADPCM)
- G.729A: 8k bit/s (CS-ACELP)
- G.729B: adds VAD & CNG to G.729

Security

- HTTP 1.1 basic/digest authentication for Web setup
- MD5 for SIP authentication (RFC2069/ RFC 2617)

Electric requirements

- Voltage: 9V DC
- Power adaptor: AC/DC input 230V, output 9V
- Network interface: 2 X RJ-45 Ethernet connectors

Dimensions:

- 198 x 176 x 60 mm (L x W x H)

Weight:

- Phone : 839 g. with Adapor.
- Total weight with giftbox : 1056 g.

Operation Temperature:

- 5 to 55 C°

**TelecommunicationsComputerNetworksInternetConnectivity
ComputerTelephonyIntegrationElectronicMessagingAndMore**

The Digital Workshops Partnership Ltd