

## MTDSP320 Desktop SIP Phone



### Product Overview

The MicroTell Desktop SIP Phone (MTDSP320) is compliant with the SIPv2 Voice over Internet Protocol (VoIP) and can be used with a SIP based Internet Telephony Service Provider (ITSP), IP PBX and other SIP based client devices to make and receive VoIP calls anywhere you have internet access. When used with an ITSP both home and business users can take advantage of reduced rate calls to the traditional telephone network, and generally free calls over the Internet.

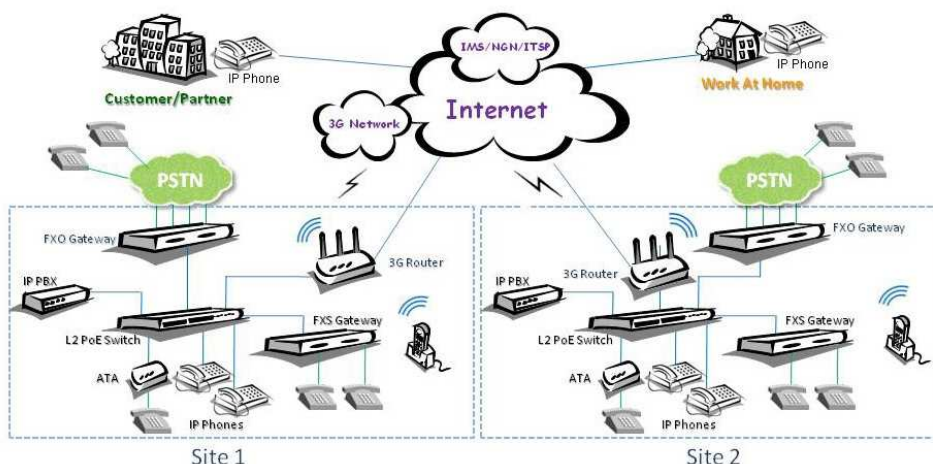
For small businesses the MTDSP320 can be used with MT's IP PBX (MTPBX5100). This allows you to take advantage of free calls between branch offices located around the world as well as reduced rate calls to the traditional telephone network. Increased functionality is added with

supplementary services such as Call Waiting, Call Hold, Call Resume, Call Transfer, Call forwarding and 3-way conference calling. You can also centrally manage VoIP user accounts and automatically provision these settings to phones.

The MTDSP320 has a stylish and functional design. It includes a LCD display, 16 feature keys, programmable speed dials, a speaker phone, two 10/100Mbps Ethernet ports and support for Power over Ethernet (PoE). The two 10/100Mbps Ethernet ports allow you to connect the phone and a PC using a single network point, while PoE eliminates the need to locate a power outlet next to the phone. Configuring the MTDSP320 via the keypad and web based management interface is intuitive making the phone easy to setup and manage.

FEATURES	BENEFITS
SIPv2 compliant	The MTDSP320 can be used with a SIP based Internet Telephony Service Provider (ITSP), IP PBX and other SIP based client devices to make and receive low cost VoIP calls.
Supplementary services	Supplementary services such as Call Waiting, Call Hold, Call Resume, Call Transfer, Call forwarding and 3-way conference calling provide increased functionality at no extra cost.
Superb voice quality	Advanced Digital Signal Processing (DSP), Silence suppression, VAD, CNG and AEC provide superb voice quality.
2-port 10/100Mbps switch	The two 10/100Mbps Ethernet ports allow you to connect the MTDSP320 and a PC using a single network point.
Auto provisioning**	

### Application Diagram



## Key Features and Benefits

### PHONE FEATURES

- LCD display
- Four way directional key for menu navigation
- Message Waiting Indicator (MWI) light
- Voicemail message retrieval button
- 16 Feature keys
- Volume control button
- Standard 12 button dialing keypad
- Programmable speed dials
- Speaker phone
- Phone book
- Multiple ring tones
- Multiple user accounts - up to 3
- Multiple lines - up to 2
- 2-port 10/100Mbps switch
- VLAN (802.1Q)
- 802.3af Power over Ethernet (PoE)
  - PoE Class 0
  - Max Wattage Draw: 5.85W

### CALL FEATURES\*\*

- Call Waiting
- Call Hold/Resume
- Call Forward
- Call Transfer
- 3-Way Conference Call
- Caller ID
- Call History
- Redial
- Call Recording

### VOICE FEATURES

- SIPv2 (RFC3261)
- SIP INFO (RFC2976)
- SIP RPORT(RFC 3581)
- SDP (RFC2327)
- RTP (RFC1889)
- RTCP (RFC1890)
- G.711u/-a-law
- G.726
- G.729A/B
- G.723.1
- Voice Activity Detection (VAD)
- Comfort Noise Generation (CNG)
- G.167 Acoustic Echo Cancellation (AEC)
- Adaptive Jitter Buffer (AJB)
- DTMF: In-band and Out-band (RFC2833) (SIP INFO)

### NAT TRAVERSAL

- STUN (RFC3489)
- Outbound Proxy

### MANAGEMENT

- Keypad configuration
- Web based management interface (HTTP)
- Telnet
- Auto provisioning\*\*
- Remote firmware upgrade\*\*

### SECURITY

- HTTP 1.1 Basic/Digest Authentication for web setup
- MD5 for SIP authentication (RFC2069/RFC2617)

### TEMPERATURE

- Operating: 0°C to 40 °C
- Storage: -20°C to 70 °C

### HUMIDITY

- Operating: 10% to 85% Non-condensing
- Storage: 5% to 90% Non-condensing

### DIMENSION

- 209.8 x 200 x 79.75 mm

### WEIGHT

- 0.883Kg
- 1.95lbs

### POWER INPUT

- 6V, 1A

### CERTIFICATIONS

- FCC
- CE

### SYSTEM REQUIREMENTS

- Available 10/100Base-T Ethernet port
- A SIP based VoIP user account
- We recommend using this product with the MTPBX5100

### PACKAGE CONTENTS

- One Desktop SIP Phone (MTDSP320)
- One handset
- One power adapter
- One RJ-45 Ethernet cable
- Quick Start Guide

### WARRANTY

- Limited Lifetime
- \*\*Requires network support

## Contact

Marketed by

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