

# THOMSON

## SpeedTouch 2020 VoIP Business Phone



The SpeedTouch 2020 offers a high-quality IP solution at a cost effective price making Voice over IP (VoIP) more accessible for businesses.

The SpeedTouch 2020 is a VoIP phone that is SIP compliant and can be used with any SIP compliant PBX, Softswitch or IP Centrex solutions of the market. It addresses the need for a cost effective IP solution, helping to make VoIP a viable, attractive option for small or large offices environment. It can be powered over the same Ethernet cable that delivers the data packets, eliminating the need for a separate Ethernet link and dedicated AC power outlet.

The SpeedTouch 2020 includes the main following features:

- ▶ 2 lines LCD display
- ▶ Connectivity: Integrated 2 port 10/100 Ethernet switch
- ▶ Phone services:
  - > Multiline Appearance, Call Forward, Call Transfer, Call Hold, Redial, Mute
  - > Message Waiting Indicator
  - > Speedial, Handsfree dialing
  - > Phonebook, Call log
  - > Caller ID display, Time & Date display
- ▶ Audio extension connection: Integrated headset RJ9 port
- ▶ Multiple power options: power over Ethernet 802.3af and external power supply adapter
- ▶ VoIP Standard: SIP V2 (RFC 3261)
- ▶ Voice compression standards: G.711, G.723.1, G.726, G.729AB
- ▶ IP addressing: Static or dynamic IP configuration (integrated DHCP client)
- ▶ Quality of Service: ToS DiffServ, 802.1p/Q, VAD, CNG, AGC Packet Loss Compensation, Adaptive Jitter buffering, adjustable packet duration
- ▶ Web browser interface for configuration and firmware upgrade (admin & user mode), Auto-provisioning configuration & firmware, LCD MENU configuration





## TECHNICAL SUMMARY

### Key Features

- ▶ English language
- ▶ SIP V2 compliant
- ▶ 2 x 16 Alphanumeric LCD display
- ▶ 2 10/100 Mb/s Auto-sense
- ▶ Power over Ethernet
- ▶ Speakerphone & Headset
- ▶ Handsfree talking
- ▶ Direct message access key
- ▶ Caller ID Display
- ▶ Multi-line Call Operation

### Phone Set

#### Function Support

- ▶ Redial (1 number)
- ▶ Speed dial (10 direct memories)
- ▶ Multiple call operation (2 lines)
- ▶ Message Waiting Indicator
- ▶ Mute
- ▶ Hold
- ▶ Transfer
- ▶ Forward (Always, On busy, No answer)
- ▶ On-hook dialing
- ▶ Hands free talking (Half Duplex)
- ▶ Call Log (10 entries; incoming/outgoing calls)
- ▶ Address book (5 indirect memories)
- ▶ 4 ring types and country tones
- ▶ Caller ID Display
- ▶ Volume control (speaker, handset, headset & ringer)
- ▶ Date & time display (idle state)
- ▶ Call duration timer
- ▶ Dial from Call log

#### Key Pad

- ▶ 30 keys
- ▶ 3 soft keys, Volume Up & down, Menus and Cancel keys
- ▶ 5 Speedial (programmable) keys
- ▶ 8 fixed function keys (mute, redial, hold, message, transfer, phonebook, call log, handsfree)

#### LED Indicators

- ▶ Message Waiting Indicator
- ▶ Handsfree
- ▶ Hold
- ▶ System

#### Interfaces

- ▶ 2 RJ-45 auto-sensing 10/100Mbps (one for PC and one for LAN)

### Technical Specifications

#### VoIP Protocol Support

SIP (RFC 3261)

#### Audio Code

- ▶ G.711  $\mu$ -law/A-law
- ▶ G.723.1 6.3K/5.3K (including Annex A)
- ▶ G.726
- ▶ G.729, G.729a, G.729ab, G.729b

#### Internet Support

- ▶ IP (RFC0791), TCP (RFC0793), UDP (RFC0768), ARP (RFC0826) protocols
- ▶ DHCP client (RFC2131)
- ▶ SDP
- ▶ TFTP
- ▶ HTTP
- ▶ DNS
- ▶ SNTP

#### Ethernet

- ▶ IEEE 802.3 10BASE-T Ethernet
- ▶ IEEE 802.3u 100BASE-TX Fast Ethernet

#### Quality of Service

- ▶ ToS Diffserv, 802.1p/Q
- ▶ VAD, CNG, Packet Loss Compensation

#### Dial Tone Signal Generation

DTMF (Out of Band and In Band)

### Configuration

#### IP Number Assignment

DHCP client or fixed

#### Configuration Support

- ▶ Keypad & LCD
- ▶ Web browser management with 2 Levels (User and Admin)
- ▶ TFTP server download, Auto-provisioning support
- ▶ Local & remote warm reboot
- ▶ password protection for configuration

### Physical & Environmental

#### Mounting

- ▶ Footstand
- ▶ Wall mounting

#### Power Input

- ▶ DC 48V
- ▶ Power over Ethernet (802.3af)

#### Dimensions

210 x 180 x 80 mm

#### Weight

700g (main unit)

#### Operating Temperature

0° to +40° C (32° to +104°)

#### Storage Temperature

-20° to +70° C (-40° to +158° F)

#### Humidity

5% - 95% non-condensing

#### AC Power Adapter

100V/60Hz to 220V/50Hz full range switching type

### For more information

Thomson  
46, quai Alphonse Le Gallo  
92100 Boulogne-Billancourt  
France  
Tel. : 33 (0) 1 41 86 50 00  
Fax : 33 (0) 1 41 86 56 59  
www.thomson.net