

## THOMSON ST2030 VoIP Business Phone



Voice Data Video

TELECOM

CABLE

SATELLITE

TERRESTRIAL

The THOMSON ST2030 offers a high quality IP solution at a cost effective price making Voice over IP (VoIP) more accessible for small and large enterprises.

This VoIP Phone is compliant with SIP/MGCP and can be used with any SIP compliant PBX, Softswitch or IP Centrex solutions of the market.

### | The THOMSON ST2030 includes the main following features:

- 128\*64 full graphic display
- Connectivity: Integrated two port 10/100 Ethernet switch
- Phone services:
  - Multilines, Call Forward, Call Transfer, Call Hold, Call Waiting, Redial
  - Handsfree
  - Alert (missed calls, Message Waiting Indicator)
  - 10 Speedial keys/ Supervision backlighted keys (MGCP)
  - Phonebook (100 entries)
  - Caller ID display
  - Automatic Callback
- Audio extension connection: Integrated headset RJ9 port
- 3 ways conferencing
- Extension module (28 additional backlighted keys)
- Polyphonic rings
- Multiple power options: power over Ethernet 802.3af and external power supply adapter
- VoIP Standard: SIP V2 (RFC 3261) or MGCP
- Voice compression standards: G.711, G.723, G.729ab
- IP addressing: Static or Dynamic IP configuration (integrated DHCP client)
- Quality of Service: ToS Diffserv, 802.1p/Q, VAD, CNG, Packet Loss Compensation, Adaptative Jitter Buffer
- Web browser interface for configuration and firmware upgrade (admin & user mode)
- SNMP
- Automatic Provisioning System (DHCP, TFTP/HTTP)
- 5 Languages

# TECHNICAL SUMMARY

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## Key Features

- 5 languages
- SIP V2 compliant or MGCP
- 128x64 full graphic display
- 2 RJ45 Ethernet Switch
- Power over Ethernet 802.3af standard
- Handsfree
- Navigation keys
- 3 soft keys
- 10 Multi-Lines backlighted
- Extension module
- Headset support

## Phone Set

### Function Support

- Redial
- Speed dial (10 direct memories)
- Multiple call operation
- Alert (missed calls, message Waiting) Indicator
- Mute
- Hold
- Transfer
- Forward
- On-hook dialing
- Handsfree
- Call Log (30 entries; incoming/outgoing calls)
- Address book (100 indirect memories)
- 16 polyphonic rings
- Caller ID Display
- Do Not Disturb
- 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, Menu and Cancel keys
- 10 backlighted programmable keys
- 2 fixed function keys (redial, phonebook)
- 3 fixed backlighted function keys (mute handsfree, headset)

### LED Indicator

- Bicolor LED Indicator (Voice mail, Alert, ...)

### Interfaces

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

## Technical Specifications

### VoIP Protocol Support

- SIP (RFC 3261) or MGCP

### Audio Code

- G.711  $\mu$ -law/A-law
- G.723.1
- G.729ab

## Internet Support

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

## Embedded switch VLAN Support

- VLAN segregation (Data VLAN for PC and Voice VLAN for the phone)
- Security and quality increased

## 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,

## Adaptative Jitter Buffer

## Dial Tone Signal Generation

- DTMF (Out of Band and In Band)
- RFC 2833

## Configuration

### IP Adress Assignment

- DHCP client or fixed

### Configuration Support

- Keypad & LCD
- Web browser management with 2 Levels (User and Admin)
- TFTP/HTTP server download
- Local & remote warm reboot
- Configuration protected by Password

## Physical & Environmental

### Mounting

- Footstand

### Power Input

- 220V/50Hz for EU
- Power over Ethernet (802.3af), DC 48V
- Power Output
- 9 VDC, 800mA, linear

### Operating Temperature

- from 0° to 50° C (32o / 104o F)

### Storage Temperature

- from -5° to 80° C (-40o / 158o F)

### Humidity

- up to 95% non-condensing

### Delivered with AC Adapter

No additionnal licence fee

## For more information

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