

# UTT-GoIP400

## Datasheet



4 VoIP & 4 GSM Channels

The UTT-GoIP400 GSM Gateway bridges the GSM and the IP networks by enabling voice communications. It is ideal for VoIP to Local termination where a fixed telephone line (PSTN) is not available or for cellphone roaming via a VoIP network. Significant savings on long distance charges can be realized.

### Key Features

**Ultrative**  
a pioneer of VoIP supplier

**Ultrative HK Co., Ltd.**

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<http://www.ultrative.com>

- Open Standard VoIP Protocols (ITU H.323 V4 and IETF SIP V2)
- Single or Multiple Server Registrations
- Two 10/100 Ethernet circuits connect to the LAN and an additional device
- GSM module for making GSM calls
- Speech quality ensured by QoS at the Ethernet and IP layers and comprehensive jitter buffer
- VLAN and QoS support
- NAT Transversal and Router functions
- Voice prompts, HTTP Web, Auto Provision support for configuration and updates
- Highly stable embedded Linux operating system in high performance ARM 9 Processor

## Basic Features

- LEDs for Power, Ready, Status, WAN, PC, GSM
- Call forward from GSM to VoIP and VoIP to GSM
- Dial in mode or dial out mode only
- Dial Plan
- Password protection for both GSM dial in or dial out
- Retransmit GSM Caller ID to VoIP terminal

## Enhanced Features

- Dynamic selection of codec
- Advanced jitter buffer
- Automatic traversal of NAT and firewall
- VLAN / Qos
- Router
- Echo cancellation for Speakerphone
- Comfort noise generation (CNG)

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- Voice activity detection (VAD)
- Auto provisioning (requires auto provisioning server)
- On line firmware upgrade
- Multi-language support: English and Chinese

### Supported Standards

- ITU: H.323 V4, H.225, H.235, H.245, H.450
- RFC 1889 - RTP/RTCP
- RFC 2327 - SDP
- RFC 2833 - RTP Payload for DTMF Digits, Telephony Tones and Telephony Signals
- RFC 2976 - SIP INFO Method
- RFC 3261 - SIP
- RFC 3264 - Offer/Answer model with SDP
- RFC 3515 - SIP REFER Method
- RFC 3842 - A Message Summary and Message Waiting Indicator
- RFC 3489 - Simple Traversal of User Datagram Protocol (UDP) Through Network Address Translators (NATs)
- RFC 3891 - SIP 'Replaces' Header
- RFC 3892 - SIP Referred-By Mechanism
- draft-ietf-sipping-cc-transfer-04 - Session Initiation Protocol Call Control - Transfer
- Codec: G.711 (A/μ law), G.729A/B, G.723.1
- DTMF: RFC 2833, In-band DTMF, SIP INFO

### Specification



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Model	UTT-GoIP400	
CPU	ARM9 133MHz	
DSP	VPDSP101 95MHz	
RAM	8M	
FLASH	4M	
Power Supply	DC12V/2A	
GSM	Default 900M/1800M	Current type
	Optional 850M/1900M	Must customize
Power Waste	Maximum 6W	
LED	Status and Channels	
Network interface	100/10BASE-T x2	
Weight	0.45KG	
Operation Temperature	0-40 °C	
Relative Humidity	40% - 90%	
Color	Gray	
VOIP Channels	4	
GSM Channels	4	

Voice	Description	Remark
G.168 Echo cancellation:	Support	16mS
g.723	Support	
g.711A/u	Support	
g.729A/B	Support	
GSM	N/A	
PLC	Support	
CNG	Support	
VAD	Support	

Protocol	Description	Remark
<b>H.323</b>		
H.323 V4	ITU-T	
H.450	Shield	
H.225	Support	
H.245	Support	
H.235	Support	

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RCF-1889	RTP/RTCP	
IP to IP	Support	

RFC 3261	Session Initiation Protocol
RFC 2327	SDP: Session Description Protocol
RFC 3264	An Offer/Answer Model with the Session Description Protocol (SDP)
RFC 3265	Session Initiation Protocol (SIP)-Specific Event Notification
RFC 3515	The Session Initiation Protocol (SIP) Refer Method
RFC 2976	The SIP INFO Method
RFC 2833	
RFC 3489	
RFC 3842	A Message Summary and Message Waiting Indication Event Package for the Session Initiation Protocol (SIP)
RFC 3891	The Session Initiation Protocol (SIP) "Replaces" Header
RFC 3892	The Session Initiation Protocol (SIP) Referred-By Mechanism
draft-ietf-sipping-cc-transfer-04	Session Initiation Protocol Call Control - Transfer

## Physical and Environmental

**Operating temperature:** 10 °C to 40 °C (50 °F to 104 °F)

**Storage temperature:** 0°C to 50°C (32°F to 122 °F)



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**Power:** 12 Vdc 500 mA (AC/DC adapter included)

**Warranty:** one year

**Standard Component:**

Item	Qty	Remarks
UTT-GolP400	1	
Manual	1	
Power Supply	1	
Cable for RJ45	1	

**Packing:**

Inner box MEAS	210*145*55mm
G.W./unit	1.0kg
Carton MEAS	410*281*308mm
G.W.	9kg
PCS/CTN	10pcs