

UTT-GoIP800

Datasheet



8 VoIP & 8 GSM Channels

The UTT-GoIP800 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

- 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

Ultrative
a pioneer of VoIP supplier

Ultrative HK Co., Ltd.

T: +86-755-29685231

F: +86-755-26426177

E: Sales@ultrative.com

<http://www.ultrative.com>

- 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)
- 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

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- 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

Model	UTT-GoIP800	
CPU	ARM9E 133MHz	
DSP	VPDSP101 95MHz	2 pieces
RAM	16M	
FLASH	4M	
Power Supply	DC12V/3A	Input 100V to 240V
GSM	900M/1800M	
	850M/1900M	
Power Waste	Maximum 20W	
LED	RUN, GSM, LAN, PC	
Network interface	100/10BASE-T x2	
Weight	1.204KG	Without AC Adapter
Operation Temperature	0-40 °C	
Relative Humidity	40% - 90%	
Color	Gray	
VOIP Channels	8	
GSM Channels	8	

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
H.323		
H.323 V4	ITU-T	
H.450	Shield	
H.225	Support	
H.245	Support	
H.235	Support	
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)

Power: 12 Vdc 3A (AC/DC adapter included)

Warranty: one year

Standard Component:

Item	Qty	Remarks
UTT-GoIP800	1	
Manual	1	
Power Supply	1	
Cable for RJ45	1	

Packing:

Inner box MEAS	220*380*85mm
G.W./unit	1.3kg
Carton MEAS	410*281*308mm
G.W.	14kg
PCS/CTN	10pcs