

## UTG7108



### Enterprise Telephony

#### 8-Port VoIP Gateway Controller Unit with 2 slot

#### FEATURES

- Supports 4 or 8 channels of real-time voice and fax in a single embedded box
- Modular design to accommodate various types of telephony interfaces
- Field programmable CP tone detection and generation to support PBX and CO line interconnections
- Supports programmable line interfaces with country specific telephone settings
- Supports ITU standard vocoders and voice processing algorithms including G.711, G.723.1, and G.729 A/B, and
- G.168 Echo Cancellation
- User friendly management including console port interface, HTTP and Telnet servers, and VoIP related management such as call control and dial plan set up
- Built-in TFTP and flash memory for software download and upgrade via network
- H.323 call control protocol compliant
- QoS support for VoIP packets

#### OVERVIEW

The UTG7108 is a cost effective and highly reliable Voice over IP (VoIP) gateway that offers toll quality voice and real-time fax data over IP networks. With its embedded architecture, UTG7108 is ideal for VoIP applications associated with Small-Medium size Business (SMB), Remote Office and Branch Office (ROBO), and ISP/ITSP service markets.

The UTG7108 has user friendly interfaces and it may be installed easily and conveniently with VoIP management tools to yield immediate cost savings. One UTG7108 supports up to eight voice or Fax communications simultaneously.

Implemented with an efficient Real-Time Operating System (RTOS) and FLASH memory, UTG7108 provides field upgradeable capabilities, so, it may be programmed with updated protocols or algorithms locally or via the network at anytime. It comes equipped with remote management capabilities, configurable signaling to work with PBX or telephone. Utilizing advanced VoIP related technologies, it includes various voice coders and fax algorithms, echo cancellation, Voice Activity Detection (VAD), Comfort Noise Generation (CNG), and packet recovery algorithms.

EUSSO's Internet Telephony Gateway family supports Voice over IP (VoIP), as well as Fax over IP (FoIP), and it seamlessly bridges existing PBX or phones with IP networks. Its scalability satisfies user's needs for system growth without additional software or complex integration. Also, it supports various types of network configurations and requires very little maintenance or administration. It is fully interoperable with world renown VoIP gateways and PBXs.

Furthermore, it coexists with broadband access devices for ADSL or CATV networks.

**SPECIFICATIONS**

<b>Hardware</b>	
Digital Signal Processors	One TI TMS320VC549 DSP per module 100 MIPS per DSP processor On-chip memory: 32K word of SRAM, 16K word of ROM Local SRAM 128K x 16 for each DSP
Control Processor	32-bit ARM7 TDMI core 8K byte unified cache 4Kword Write buffer Embedded on-chip Ethernet MAC with associated BDMA Local 2M x 32 SDRAM and 2M x 16 Flash
I/O Interface	Standard 10/100Base-TX RJ 45 interface RJ 11 Loop Start interfaces for FXS/FXO RJ-45 for E&M Type V 4w interface
Dimension	19" rack mountable or desktop
Operating Temperature	0° - 50°C (32° -122°F)
Operating Humidity	10% - 95%, non-condensing
Power Supply	AC-to-DC power supply (90~260VAC, auto-ranging, 50/60Hz)
Certifications	CE FCC, Part 15, Class A FXS/FXO (Compliant with ITU-T G.712)
<b>Software</b>	
Speech	Compression algorithms: ITU G. 711, G.723.1, and G.729A/B. Hybrid echo cancellation G.168 (16 ms) Auto switch between Fax and voice DTMF tone detection/regeneration Channel: four channels per module Comfort Noise Generation (CNG) User programmable Call Progress detection/generation Voice Activity Detection (VAD) User programmable Gain Control
Fax	Facsimile protocol: T.30 Group 3 Modulation formats: V.21, V.27ter, V.29, V.17 Real-time fax over IP DTMF tone detection/regeneration
Management Tools	RS 232 console port interface HTTP Server Telnet Server RAS and dial plan management TFTP and flash memory for remote software download and upgrade
H.323 Protocol Stack	RAS sub-stack for Terminals and Gatekeepers: supports all mandatory and optional messages (Tx and Rx) as specified in table 19/H.255.0 H.245 sub-stack: supports the Signaling Entities of Master Slave Determination, Capability Exchange, Open Logical Channels, and Close Logical Channels Q.931: supports all mandatory messages as specified in table 4/H.255.0 Compliant with H.323 Version 1 and Version 2

**ORDERING INFORMATION**

<b>Model</b>	<b>Description</b>
UTG7108-C	8-Port VoIP Gateway Controller Unit with 2 slot
UTG7108-O	4-Port VoIP Gateway Module with 4FXO for UTG7108-C
UTG7108-S	4-Port VoIP Gateway Module with 4FXS for UTG7108-C

*EUSSO Technologies, Inc. is a dedicated data communication and networking company. With professional experiences in design, production, marketing and service support, we deliver the full range networking products including Gigabit Ethernet, Fiber Optic, Wireless LAN, Switches, Hubs, LAN cards, PCMCIA adapters, Converter, Transceivers. As well as Internet Telephony Gateway, Print Servers, Internet Sharing Servers and many others.*

EUSSO Technologies, Inc.

Tel: +886-2-8221-4616

Email: sales@eusso.com

6F, No.389, Sec.2, Chung Shan Road, Chung Ho City, Taipei 235 Taiwan, R.O.C.

Fax: +886-2-8221-4607

http://www.eusso.com