



UTG7104-224

Integrated VoIP Gateway Router 2-Port FXS, 2-Port FXO, 4-Port LAN, 1-Port WAN

FEATURES

- Supports 4 channels of real-time voice and fax in a single embedded box
- Support VoIP interface with 2 FXS ports and 2 FXO ports
- 1 WAN plus 4 LAN switch embedded for ADSL/Cable Modem broadband router
- 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 UTG7104-224 is a cost effective and highly reliable Voice over IP (VoIP) gateway integrated with broadband router switch that offers toll quality voice and real-time fax data over IP networks. With its embedded architecture, this device is ideal for VoIP applications associated with Small-Medium size Business (SMB), Remote Office and Branch Office (ROBO), and ISP/ITSP service markets.

The UTG7104-224 has user friendly interfaces and it may be installed easily and conveniently with VoIP management tools to yield immediate cost savings. Implemented with an efficient Real-Time Operating System (RTOS) and FLASH memory, UTG7104-224 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.

EUSO'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

System Specifications	
Telephony Specifications	Call control protocol: H.323 version 3 Voice Codec: G.711, G.723.1, G.729A/B Fax over IP: T.30 & T.38 Call processing Comfort Noise Generation (CNG) Echo Cancellation: G.168 (16 ms) Call Progress Detection/Generation Voice Activity Detection (VAD) Gain Control
Management Tools	RS 232 console port interface HTTP Server Telnet Server 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 Supports the Signaling Entities of Master Slave Determination Capability Exchange, Open and Close Logical Channels Supports all mandatory messages as specified in Q.931 Compliant with H.323 Version 3
Router Specifications	Support static IP Max No. of LAN stations: 253 DHCP server (Disable/ Enable) Web server TFTP Telnet Server
Advanced Router Specifications:	DMZ Virtual Servers Port Forwarding Special TCP/UDP ports application Work Group Access Packet Filter Table Dynamic DNS Packet filter firewall
Dimension	122 (L) x 175 (W) x 31 (H) mm
Certification	EMI/EMC: FCC Class B, CE Mark
Environmental	Operating Temperature: 0° ~ 45°C (32° ~ 113°F) Storage Temperature: -20° ~ 60°C (-4° ~ 140°F) Humidity: 0 ~ 90% non-condensing
Power	External power adapter, 12VDC, 1A

ORDERING INFORMATION

Model	Description
UTG7104-224	4-Port VoIP Gateway with 2 FXS Ports + 2 FXO Ports & 1-WAN + 4LAN Router

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.

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