

VoIP Gateway

UTT-7500 Series Datasheet



Standard 1U tin box

Card plug-in structure

Support plug and play card

Support for three party conference

Telecom carrier class reliability

- A new generation of processors, with a separate high-end DSP processing chipset.
- Powerful hardware capabilities, ensure that the equipment is still stable and reliable under full load condition;
- 99.99% availability, support long talk uninterrupted for at least 48 hours;
- Support efforts to improve fault detection, network alarm function;
- Support POTS interface overcurrent and overvoltage protection function;
- Support the lightning, surge, power line joint and other protection;
- Standby exchange server supports hot swap, support local survival;

Comprehensive protocol supporting capability and compatibility

- Supports H.323, SIP, H.248, MGCP and IMS, to achieve smooth handoff protocol;
- Support SNMP network management protocol, centralized network management devices, remote monitoring and maintenance;
- Support for RADIUS authentication protocol, authentication, authorization and accounting of various service access;
- Support T.30, T.38 fax protocol transmission services on IP networks;



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- Support signaling, media, fax encryption, to prevent interference, eavesdropping;
 - Support RTP / RTCP protocol, to achieve real-time voice packet encapsulation and voice playback;
 - Support RFC2833 protocol, DTMF signal transmission over IP networks;
 - Compatible with CISCO, Netel, Lucent, Huawei, ZTE and other mainstream VOIP products

Extensive business support capabilities

- Support for voice, fax, Modem, data services;
- Support a variety of basic telephone services and supplementary services;
- Support a phone with two numbers, intelligent routing and power off escape;
- Support customized ring tones, automatic dialing, voice messaging, FXO ports reverse polarity detection
- Supports hunt groups, secondary dial, intercom, caller ID, call forwarding, call waiting

Flexible voice port selection

- FXS ports (POTS port) density from 24-48 optional;
- Optional FXO port density from 24-48;
- FXS and FXO mix from 16:16 to 24:24 Optional;
- Optional port density range, greatly improving the voice device density and configuration flexibility to access convenience;

A variety of management and maintenance of way

- Support local, remote WEB page management;
- Support local, remote Telnet command line management;
- Support Console port - super terminal management;
- SNMP network management system supports centralized management;
- Support free computer voice prompts (IVR) Management;
- Installation is simple and flexible configuration

Advanced voice processing technology

- Support ITU-T G.711a / u, G.729, G.723.1, G.726 etc. voice coding;
- Support voice activity detection (VAD), Comfort Noise Generation (CNG), echo cancellation;
- Support for dual-tone multi-frequency signals (DTMF) generation / detection, Caller ID generating detection;
- Support flexible input / output gain control;

Powerful QoS safeguard features

- Support Tos set, voice tag priority;
- Support Diff-Serv (differentiated service)
- Support IEEE802.1P, IEEE802.1Q VLAN, ensure voice priority
- Supports adaptive dynamic buffer technology (Jitter Buffer) and packet loss compensation;
- Long-time support package of voice customization features;



Flexible network access

- Support IP line access;
- Support xDSL dial-up access;
- Support NAT LAN access;
- Support Cable Modem access;
- Optional port density range, greatly improving the voice device density and configuration flexibility to access convenience;

Specifications:

Products Type	UTT-7500 Series					
Voice FXS & FXO	Ports		8FXS	16FXS	24FXS	32FXS
			●	●	●	●
	8FXO	●	●	●		
	16FXO	●	●	●		
	24FXO	●	●			
32FXO	●					
Adapter (In/Output)	Input: AC 100-240V; Output: 12V 3A / 3.3V 5A					
Connector (WAN)	10/100Base- T RJ-45 for LAN, Auto MDIX					
Connector(LAN)	10/100Base- T RJ-45 for PC, Auto MDIX					
Consumption	Idle: 15 W/ Active: 40W					
Working Temperature	-5 ~ 50°C					
Relative Humidity	5 ~ 95% Non-condensing					
Main Chipset	MindSpeed M823XX					
DSP	MindSpeed M823XX					
CODEC	LE88266					
Flash	16MB					
Dimension	440mm X 330mm X 44mm					
Weight	3KG					
Packing						
Inner box size	50.5*31*8.5 cm					
G.W./unit	3.5~3.8 KG					
Carton size	51*51*32 cm					
G.W./carton	18.7~20.2 KG					
PCS/Carton	5pcs					

Main application:

- Carrier's IMS platform access terminal
- IP call center
- IP scheduling



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- Enterprise or industry VoIP system transformation
 - Enterprise or industry VoIP bypass docking
 - Extension
 - Between enterprises and /or branches point to point communication
 - Landing gateway applications

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