



MTG600 Trunk Gateway

- 1/2 T1/E1 optional, SIP/H.323/PRI/SS7
- Low density, fit for small business
- Intelligent multiple trunk routings
- Both central and standalone remote management
- High performance-price-ratio VoIP applications

The MTG600 is ALLYWLL's cost-effective, feature-rich and intelligent trunk gateway integrating the best-of-breed VoIP technology and core achievements of ALLYWLL R&D efforts in the passed 8 years. It is designed to connect seamlessly between TDM & IP networks in enterprises, matching the density requirements for small locations. It's providing superior voice technology for smooth connectivity of legacy PBX systems to IP networks and IP-PBX systems to the PSTN. On the other hand, the MTG600 is fully interoperable with leading IP-PBXs, Softswitches, and SIP servers.

It supports SIP/H.323 trunk protocol to connect with SIP/H.323 Softswitch, and supports PRI/SS7 signaling protocol to connect with PSTN. With Intelligent Multiple Trunk Routing technology, makes the enterprise easy to manage trunk routing and the automatic switch-over between multiple trunk routing makes the network have high reliability

## FEATURES AND BENEFITS

### • Multiple interfaces

1/2 E1/T1 optional with RJ-48C connector, duplex 10/100M network interface, RS232 for configuration and troubleshooting

### • Full interpretability

Full interoperate with leading legacy PBXs, IP-PBXs, Softswitches, SIP servers, flexible inter-working between IP-TDM, IP-IP

### • Total Protocol Supporting

MTG600 trunk gateway support PRI/SS7/SIP/H.323. Market has proved its adaptability to different application scenarios.

### • Safety and Reliability

Administrator authentication mechanism; intelligent multiple trunk routing technology, high reliability power supply. 8 years history, more than 20 thousand E1/T1 lines delivered.

### • Easy Maintenance

MTG600 support to manage standalone by telnet, web. It also supports to be central managed by Integrated management system (iBMS), and central monitored by SNMP based NMS.

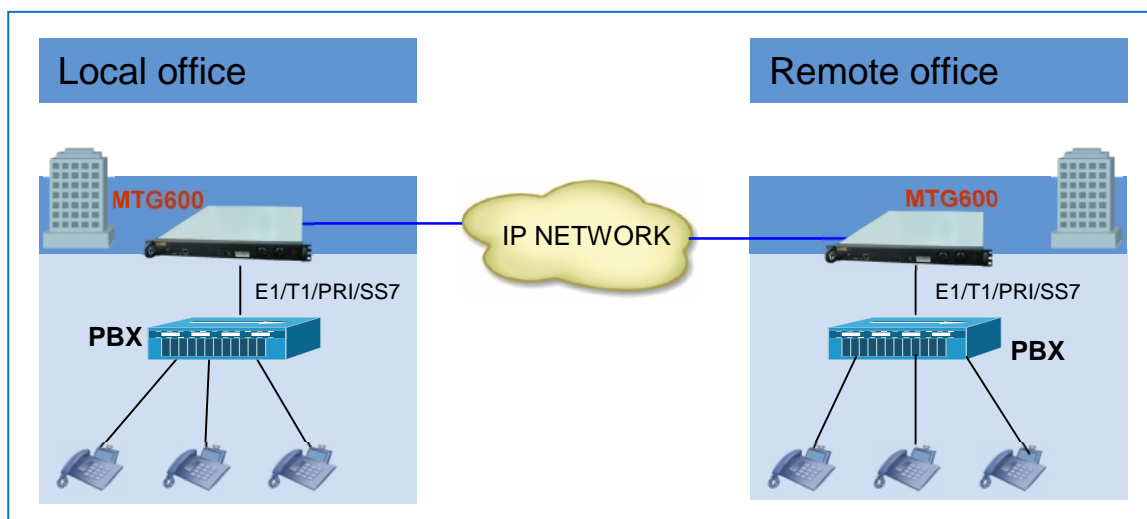
### • High Performance-price-ratio

8 years mature hardware and software, large scale application, China R&D and manufacturing cost, make it cost-effective choice for customers all over the world.

TECHNICAL SPECIFICATIONS	
<b>Physical Interfaces</b> 1/2 E1/T1 with RJ-48c connectors 2 10/100M Base-T 1 RS232 console port	<b>Enhanced Services</b> <ul style="list-style-type: none"> <li>Powerful Routing Management—Multi routings, saving money and ensure voice quality.</li> <li>Caller number change—Caller ID modify.</li> <li>Time Control—Time-Based service (Optional).</li> <li>UI800 Service (Web Click Call back Service)</li> <li>Call forbidden set.</li> <li>Call center service.</li> <li>Settlement Between Operator and User.</li> </ul>
<b>Signaling &amp; Protocols</b> <b>SS7 ( ITU-T Q.721~Q.725, ITU-T Q.761~Q.764, Q.730)</b> <b>PRI Signaling</b> <ul style="list-style-type: none"> <li>E1 PRI 30B+D, T1 PRI 23B+D</li> <li>Q.931 / Q.sig, ETSI/EURO, ANSI NI2, DMS100, 5ESS, VN3, VN4, VN6</li> </ul> <b>Control signaling</b> <ul style="list-style-type: none"> <li>SIP(RFC3261 SIPv2.0), H.323</li> <li>Support User ID and Password Authentication</li> <li>Peer terminal IP authentication</li> </ul> <b>Voice Codec</b> <ul style="list-style-type: none"> <li>G.711, G.723.1, G.729ab, G.726, iLBC</li> <li>Enhanced (Carrier Grade) Echo Cancellation: G.165, G 168-2002, with 32,64 or 128 tail length</li> </ul> <b>FAX over IP</b> <ul style="list-style-type: none"> <li>Using industry standard T.38. up to 14.4kbps. Support 2.4, 4.8, 7.2, 9.6, 14.4 Kbps</li> <li>Fax data pump, V.17, V.19, V.27ter, V.29 for T.38</li> <li>Pass-through</li> </ul>	<b>Security &amp; Availability</b> <ul style="list-style-type: none"> <li>Administrator authentication</li> <li>Package Encryption (Private protocols, only work with ALLYWLL its own IAD and IP phones, to avoid the SIP packet is captured and discarded).</li> <li>High reliability power adapter—built in dual</li> <li>White List</li> <li>Service life time: 20 years</li> <li>MTBF: 20 years</li> <li>MTTR: 5 Mins</li> <li>Calling Established time: &lt;300ms</li> <li>Power-on time: 1 Mins</li> <li>Service availability per line: 99.99%</li> </ul>
<b>Network Features</b> <ul style="list-style-type: none"> <li>FreeGo™ - Penetrate NAT/Firewall</li> <li>Up to 60 concurrence VoIP calls</li> <li>Support TCP/UDP, RTP/RTCP, HTTP, ARP/RARP, DNS, NTP, TFTP, TELNET, PPPoE, STUN</li> <li>Static IP Configure.</li> <li>PPPoE Dialup</li> </ul>	<b>Compatibility</b> <ul style="list-style-type: none"> <li>Fully compatible with mainstream vendors, such as HUAWEI softX3000,C&amp;C08, ZTE ZXSS10, Cisco, Alcatel-Lucent, S12 etc.</li> <li>Compatible with other standard SIP/H.323 server</li> </ul>
<b>VoIP Features</b> <ul style="list-style-type: none"> <li>Adaptive Voice Activity Detection (VAD) with Comfort Noise Generation (CNG)</li> <li>Adaptive Jitter Buffer</li> <li>Packet Loss Concealment</li> <li>DTMF Signaling via RFC 2833 or SIP Info</li> <li>IVR/RADIUS server support</li> </ul>	<b>Configuration and Management</b> <ul style="list-style-type: none"> <li>Software update online automatically.</li> <li>Web, Telnet configuration</li> <li>SNMP V1/V2</li> <li>Support Language: English, Simplified Chinese</li> <li>Firmware upgrading by TFTP/FTP</li> <li>Configure file backup and upload</li> <li>Configure file download</li> <li>Monitoring: Running State, Alarm monitoring, Call monitoring, CDR monitoring</li> <li>Central managed by iBMS – optional</li> </ul>
<b>Standard Services</b> <ul style="list-style-type: none"> <li>Length of phone number setting.</li> <li>Ranges of long number setting.</li> <li>Caller number pool manage. Outgoing route manage.</li> <li>Outgoing route selection rule—Longest called prefix match.</li> <li>District Ban Call</li> <li>Call Flow Control</li> <li>Call Out White List</li> <li>Call ID Modify &amp; Display</li> <li>One Number Service</li> <li>Fax Over IP</li> </ul>	<b>Environment – EMC</b> <ul style="list-style-type: none"> <li>Operational: 32~104F / 0~40°C</li> <li>Storage environment: -4~176F /-20~80°C</li> <li>Humidity, No condensation: 10~90%</li> <li>Stationary use environment: EN 300 019: Class 3.1</li> <li>Storage environment: EN 300 019: Class 1.2</li> <li>Transportation environment: EN 300 019: Class 2.3</li> <li>Acoustic noise: EN 300 753</li> <li>FCC Part 15 Class B</li> <li>CE EMC directive 2004/108/EC</li> <li>EN55022: 2006+A1:2007</li> <li>EN61000-3-2: 2006,</li> <li>EN61000-3-3: 1995+A1: 2001+A2: 2005</li> <li>EN55024: 1998+A1: 2001+A2: 2003</li> <li>Safety: CE LVD EN60950-1: 2006</li> <li>Certifications: FCC, CE</li> <li>Resistibility: K.20</li> </ul>
<b>Mechanical</b> <ul style="list-style-type: none"> <li>Dimensions (W x D x H): 306 x 273 x 44.5mm ( 1U )</li> <li>Net weight: 3Kg</li> <li>Gross Weight: 8Kg</li> <li>19" rack compliant, Horizontal mounting, rear cabling</li> </ul>	

## MTG600 Application

The MTG600 enables distributed enterprises to provide their employees working from remote offices or branch office with direct connections via the IP data network to the corporate headquarters' PBX. In addition to cost-savings related to the installation and PBX maintenance on each remote location. With the MTG600 trunk gateway, helps enterprises save the communication cost while maintaining the same quality and reliability of a TDM network. The Figure as follows presents a typical installation of the remote office solution.



## Main benefits

- Enable enterprises save the communication cost
- Simple entry-level application and strengthen confidence to gradually migrate to the new VoIP technology
- Easy to install and configure
- Multiple Routing enhance high reliability



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