

## MTG1000 Trunk Gateway Feature List V2.0

Specifications		MTG1000 Trunk Gateway	
<b>General Information</b>			
Product type	Connection SIP/H.323 VoIP voice nets and based on the SS7 / PRI telecommunication network		
Model type	MTG1000-4/8*E1/T1 and 1/2*E1/T1 optional		
Box type	Standard black 19-inch ,1U chassis		
Market target	Used operators, traffic wholesalers, suppliers and other occasions as well as virtual and medium-sized enterprises and industries, full-featured, powerful processing capability		
Hardware	Hardware with embedded operating system		
Release date	21/03/2012		
Current Software version	V2.03.01.01		
Current Hardware version	PCB 06		
<b>LED Indicator lights</b>			
PWR	Indicating the status of system power		
RUN	Indicating the running status of device		
Alarm	Indicating the failure of the device		
FE0/FE1	Indicating the Ethernet port activity		
E1/T1	Indicating the physical connection of E1/T1 interface		
<b>Ethernet Interface</b>			
Number of interface	2 * 10/100 BASE-TX (RJ-45)		
Auto adapted	Supported		
<b>E1/T1 Interface</b>			
Number of Interfaces	4 /8* E1/T1, 1/2*E1/T1 optional G.703		
Max transmission distance	300M		
Impedance	120Ω		
Connector type	RJ-48		
<b>Serial Interface</b>			
Number of interface	1 * RS-232		
Rate	9600bps		
Connector type	RJ-48		
<b>Signals &amp; Protocols</b>			
<b>PRI Signaling</b>			
Protocols compliant	E1 PRI 30B+D, T1 PRI 23B+D		
Q.931 / Q.sig	ITU-T I.430, I.431, Q.921, Q.931		
Multiple E1/T1 group	Supported		
<b>SIP Signaling</b>			
Protocols compliant	SIP V1.0/2.0, RFC3261		
Authentication	Supported		
SIP domain register	Supported		
SIP-T	RFC3372, RFC3204, RFC3398		
SIP encryption support	Supported		
Peer IP authentication	Supported		
Number of inbound and outbound control	Supported		
Incoming time limit	Supported		
<b>H.323 Signaling</b>			
Protocols compliant	ITU-T H.323 V4		

Number of inbound and outbound control	Supported
Incoming time limit	Supported
<b>SS7</b>	
Protocols compliant	ITU, ANSI, ETSI, JTC(Japan), ITU-China, ISUP/TUP
Multiple E1 group	Supported
China SS7 compatibility	Chinese mainland and Hong Kong
<b>Voice &amp; FAX</b>	
G.711A/U	Supported
G.723	Supported
G.729A/B	Supported
DTMF Mode	RFC2833, SIP INFO and INBAND
FAX over IP	T.38/T.30/pass through, Baud rate:14.4kbps
<b>Trunk Features</b>	
Setting length of phone number	Supported
TDM channel management	Supported
Outbound route management	Supported
Prohibited area call	Supported
Multi-Routing management	255 routing, IP->PSTN, IP->IP, PSTN->IP, PSTN->PSTN
Time control	Time-Based service
Call statistics	Supported
Routing policy	Routed based on caller/called, originating network, match based on priority, reattempt on alternative routes
Number Manipulation	Caller/Called number from any direction
<b>Network Features</b>	
Network protocol	TCP/UDP, HTTP, ARP/RARP, DNS, NTP, TFTP, TELNET, STUN, DHCP
Static IP	Supported
DNS	Supported
<b>Security &amp; Reliability</b>	
Admin management	Administrator authentication by username and password
<b>Maintenance &amp; Upgrade</b>	
Web Configuration	Supported
Telnet Configuration	Supported
SNMP V1/V2/V3	Supported
Support Language	English/Chinese
Firmware upgraded	TFTP/Web
Configure file backup	Supported
System log	Supported
QoS	None, TOS, DS
<b>Compatibility</b>	
Tested platform	HW softswitch, asterisk, 3CX, ZTE softswitch and Siemens system
<b>Mechanical</b>	
Dimension (W*D*H) (mm)	436x 300 x 44.5mm ( 1U )
Package Size (W*D*H) (mm)	765x640x160mm
Net weight	1.9kg
<b>Power</b>	
Power output	220 VAC, 50~60Hz, 1.2A.
Grounding	GND < 1Ω
Max power consumption	25W
<b>Availability-Redundancy</b>	

Power backup	Supported
Fan backup	Supported
<b>Environment-EMC</b>	
Operational	32 ~ 104F / 0 ~ 40°C
Storage environment	-4 ~ 158F / -20 ~ 70°C
Humidity	10%~90%, no condensation
EMC	FCC part 15 Class B CE Mark (EN55022 Class B, EN60950, EN55024, EN300 386)
Safety	CE LVD EN60950-1 : 2006
Certifications	FCC, CE