

# Grandstream GWX-4008



# Info

**Grandstream Device Configuration**

**STATUS** **BASIC SETTINGS** **ADVANCED SETTINGS** **PROFILE 1** **PROFILE 2** **FXS PORTS**

**MAC Address:** WAN-- 00:0B:82:54:CB:5B LAN-- 00:0B:82:54:CB:5A (Device MAC)

**WAN IP Address:** 172.27.111.101

**Product Model:** GXW-4008 V1.5A

**Software Version:** Program -- 1.0.10.9 Bootloader -- 1.0.0.18 Core -- 1.0.10.6 Base -- 1.0.10.5  
Extra -- 1.0.10.1 CPE -- 1.0.1.40

**System Up Time:** 03:08:30 up 3 days

**PPPoE Link Up:** Disabled

**NAT:** Unknown NAT

**Port Status:**

Port	Hook	Registration	DND	Forward	Busy Forward	Delayed Forward
FXS 1	On Hook	Registered	No			
FXS 2	On Hook	Not Registered	No			
FXS 3	On Hook	Not Registered	No			
FXS 4	On Hook	Not Registered	No			
FXS 5	On Hook	Not Registered	No			
FXS 6	On Hook	Not Registered	No			
FXS 7	On Hook	Not Registered	No			
FXS 8	On Hook	Not Registered	No			

All Rights Reserved. Grandstream Networks, Inc. 2008-2012

# Set Network

**Grandstream Device Configuration**

STATUS**BASIC SETTINGS**ADVANCED SETTINGSPROFILE 1PROFILE 2FXS PORTS

**End User Password:**  (purposely not displayed for security protection)

**Web Port:**  (default for HTTP is 80)

**Telnet Server:**  No  Yes Default DHCP

**IP Address:**  dynamically assigned via DHCP

DHCP hostname:  (optional)

DHCP vendor class ID:  (optional)

use PPPoE

PPPoE account ID:

PPPoE password:

PPPoE Service Name:

Preferred DNS server:

statically configured as:

IP Address:	<input type="text" value="172"/> <input type="text" value="27"/> <input type="text" value="112"/> <input type="text" value="8"/>
Subnet Mask:	<input type="text" value="255"/> <input type="text" value="255"/> <input type="text" value="255"/> <input type="text" value="0"/>
Default Router:	<input type="text" value="172"/> <input type="text" value="27"/> <input type="text" value="112"/> <input type="text" value="1"/>
DNS Server 1:	<input type="text" value="172"/> <input type="text" value="27"/> <input type="text" value="112"/> <input type="text" value="1"/>
DNS Server 2:	<input type="text" value="0"/> <input type="text" value="0"/> <input type="text" value="0"/> <input type="text" value="0"/>

Time Zone:

Self-Defined Time Zone:  (For example: "MTZ+6MDT+5,M4.1.0,M11.1.0")

Language:

**NAT/DHCP Server Information & Configuration:**

Device Mode:  NAT Router  Bridge

NAT maximum ports:  (range: 0 - 4096, default is 1024)

NAT TCP timeout:  (range: 0 - 3600, default is 3600)

NAT UDP timeout:  (range: 0 - 3600, default is 300)

Uplink bandwidth:

Downlink bandwidth:

Enable UPnP support:  No  Yes

Reply to ICMP on WAN port:  No  Yes (Unit will not respond to PING from WAN side if set to No)

WAN side HTTP/Telnet access:  No  Yes (WAN side access will be rejected if set to No)

Cloned WAN MAC Addr:       (in hex format)

Enable LAN DHCP:  No  Yes

LAN DHCP Base IP:  (base IP for the LAN port, default is 192.168.2.1)

LAN DHCP Start IP:  (default is 100)

LAN DHCP End IP:  (default is 199)

LAN Subnet Mask:  (default is 255.255.255.0)

DHCP IP Lease Time:  (in units of hours, default is 120 hours or 5 days)

DMZ IP:

**Port Forwarding:**

WAN port	<input type="text" value="0"/>	LAN IP	<input type="text"/>	LAN port	<input type="text" value="0"/>	Protocol	<input type="text" value="UDP Only"/>
WAN port	<input type="text" value="0"/>	LAN IP	<input type="text"/>	LAN port	<input type="text" value="0"/>	Protocol	<input type="text" value="UDP Only"/>
WAN port	<input type="text" value="0"/>	LAN IP	<input type="text"/>	LAN port	<input type="text" value="0"/>	Protocol	<input type="text" value="UDP Only"/>
WAN port	<input type="text" value="0"/>	LAN IP	<input type="text"/>	LAN port	<input type="text" value="0"/>	Protocol	<input type="text" value="UDP Only"/>
WAN port	<input type="text" value="0"/>	LAN IP	<input type="text"/>	LAN port	<input type="text" value="0"/>	Protocol	<input type="text" value="UDP Only"/>
WAN port	<input type="text" value="0"/>	LAN IP	<input type="text"/>	LAN port	<input type="text" value="0"/>	Protocol	<input type="text" value="UDP Only"/>
WAN port	<input type="text" value="0"/>	LAN IP	<input type="text"/>	LAN port	<input type="text" value="0"/>	Protocol	<input type="text" value="UDP Only"/>

# Create Profile

**Grandstream Device Configuration**

**STATUS BASIC SETTINGS ADVANCED SETTINGS PROFILE 1 PROFILE 2 FXS PORTS**

**Profile Active:**  No  Yes

**Primary SIP Server:**  (e.g., sip.mycompany.com, or IP address)

**Failover SIP Server:**  (Optional, used when primary server no response)

**Prefer Primary SIP Server:**  No  Yes (yes - will register to Primary Server if Failover registration expires)

**Outbound Proxy:**  (e.g., proxy.myprovider.com, or IP address, if any)

**SIP transport:**  UDP  TCP  TLS (default is UDP)

**NAT Traversal:**  No  Keep-Alive  STUN  UPnP

**DNS Mode:**  A Record  SRV  NAPTR/SRV  Use Configured IP

**Primary IP:**

**Backup IP1:**

**Backup IP2:**

**Tel URI:**

**SIP Registration:**  No  Yes

**Unregister On Reboot:**  No  Yes

**Outgoing Call without Registration:**  No  Yes

**Register Expiration:**  (in minutes. default 1 hour, max 45 days)

**Reregister before Expiration:**  (in seconds. Default 0 second)

**SIP Registration Failure Retry Wait Time:**  (in seconds. Between 1-3600, default is 20)

**local SIP port:**  (default is 5060 for UDP and TCP; 5061 for TLS)

**local RTP port:**  (1024-65535, default 5004)

**Use random port:**  No  Yes

**Refer-To Use Target Contact:**  No  Yes

**Transfer on Conference Hangup:**  No  Yes

**Disable Bellcore Style 3-Way Conference:**  No  Yes (Using star code \*23 for 3-way conference)

**Remove OBP from Route Header:**  No  Yes

**Support SIP Instance ID:**  No  Yes

**Validate Incoming SIP Message:**  No  Yes

**Check SIP User ID for incoming INVITE:**  No  Yes (no direct IP calling if Yes)

**Authenticate incoming INVITE:**  No  Yes

**Allow Incoming SIP Messages from SIP Proxy Only:**  No  Yes (no direct IP calling if Yes)

**SIP T1 Timeout:**

**SIP T2 Interval:**

**DTMF Payload Type:**

**Preferred DTMF method:** (in listed order)  
Priority 1:   
Priority 2:   
Priority 3:

**Disable DTMF Negotiation:**  No (default, negotiate with peer)  Yes (use above DTMF order without negotiation)

**Send Hook Flash Event:**  No  Yes (Hook-Flash will be sent as a DTMF event if set to Yes)

**Enable Call Features:**  No  Yes (if Yes, call features using star codes will be supported locally)

**Offhook Auto-Dial Delay:**  (0-60 seconds, default is 0)

**Proxy-Require:**

**Use NAT IP:**  (used in SIP/SDP message if specified)

**Use SIP User-Agent Header:**

**Distinctive Ring Tone:**  
Ring Tone 1  used if incoming caller ID is   
Ring Tone 1  used if incoming caller ID is   
Ring Tone 1  used if incoming caller ID is

**Disable Call-Waiting:**  No  Yes

**Disable Call-Waiting Caller ID:**  No  Yes

**Disable Call-Waiting Tone:**  No  Yes

**Disable Receiver Offhook Tone:**  No  Yes (ROH tone will not be played after offhook for 60 seconds)

Disable Reminder Ring for On-Hold Call:  No  Yes

Disable Visual MWI:  No  Yes

Visual MWI Type:  FSK  NEON

Ring Timeout:  (10-300, default is 60 seconds)

Hunting Group Ring Timeout:  (5-300, default is 20 seconds)

Hunting Group Type:  Circular  Linear

Delayed Call Forward Wait Time:  (Allowed range 1-120, in seconds.)

No Key Entry Timeout:  (in seconds, default is 4 seconds)

Early Dial:  No  Yes (use "Yes" only if proxy supports 484 response)

Dial Plan Prefix:  (this prefix string is added to each dialed number)

Use # as Dial Key:  No  Yes (if set to Yes, "#" will function as the "(Re-)Dial" key)

Dial Plan:

SUBSCRIBE for MWI:  No, do not send SUBSCRIBE for Message Waiting Indication  
 Yes, send periodical SUBSCRIBE for Message Waiting Indication

Send Anonymous:  No  Yes (caller ID will be blocked if set to Yes)

Anonymous Call Rejection:  No  Yes

Special Feature:

Session Expiration:  (in seconds, default 180 seconds)

Min-SE:  (in seconds, default and minimum 90 seconds)

Caller Request Timer:  No  Yes (Request for timer when making outbound calls)

Callee Request Timer:  No  Yes (When caller supports timer but did not request one)

Force Timer:  No  Yes (Use timer even when remote party does not support)

UAC Specify Refresher:  UAC  UAS  Omit (Recommended)

UAS Specify Refresher:  UAC  UAS (When UAC did not specify refresher tag)

Force INVITE:  No  Yes (Always refresh with INVITE instead of UPDATE)

Send Re-INVITE After Fax:  No  Yes

Enable Silence Detection for Fax Disconnect:  No  Yes

Enable 100rel:  No  Yes

Use First Matching Vocoder in 200OK SDP:  No  Yes

Preferred Vocoder: (in listed order)

choice 1:	<input type="text" value="G729"/>
choice 2:	<input type="text" value="PCMA"/>
choice 3:	<input type="text" value="PCMA"/>
choice 4:	<input type="text" value="PCMA"/>
choice 5:	<input type="text" value="PCMA"/>
choice 6:	<input type="text" value="PCMA"/>
choice 7:	<input type="text" value="PCMA"/>
choice 8:	<input type="text" value="PCMA"/>

Voice Frames per TX:  ( default 2, from 1 to 4 for G711/G726/G729)

G723 rate:  6.3kbps encoding rate  5.3kbps encoding rate

iLBC frame size:  20ms  30ms

iLBC payload type:  (between 96 and 127, default is 97)

AA2-G726-16 payload type:  (between 96 and 127, default is 100)

AA2-G726-24 payload type:  (between 96 and 127, default is 99)

AA2-G726-32 payload type:  (between 96 and 127, default is 104)

AA2-G726-40 payload type:  (between 96 and 127, default is 103)

G729E payload type:  (between 96 and 127, default is 102)

VAD:  No  Yes

Symmetric RTP:  No  Yes

Fax mode:  T.38 (Auto Detect)  Pass-Through

Fax tone detection mode:  Caller  Callee  Caller or Callee

Jitter buffer type:  Fixed  Adaptive

Jitter buffer length:  Low  Medium  High

SRTP Mode:  Disabled  Enabled but not forced  Enabled and forced

SLIC Setting:

Caller ID Scheme:

Polarity Reversal:  No  Yes (reverse polarity upon call establishment and termination)

Loop Current Disconnect:  No  Yes (loop current disconnect upon call termination)

Loop Current Disconnect Duration:  (In 100 - 10000 milliseconds range, default is 200)

Enable Hook Flash:  No  Yes

Hook Flash Timing: In 40-2000 milliseconds range, minimum:  maximum:

On Hook Timing:  (In 40-2000 milliseconds range, default is 400)

Gain: TX  RX

Disable Line Echo Canceller (LEC):  No  Yes

# Add sip Account

**Grandstream Device Configuration**

STATUS   BASIC SETTINGS   ADVANCED SETTINGS   PROFILE 1   PROFILE 2   **FXS PORTS**

User Settings

Port#	SIP User ID	Authenticate ID	Password	Name	Profile ID	Hunting Group	Request URI	Routing ID	Enable Port
1	+6621053004	6621053004@c		test	Profile 1	None			<input type="radio"/> No <input checked="" type="radio"/> Yes
2					Profile 1	None			<input checked="" type="radio"/> No <input type="radio"/> Yes
3	User ID = +66xxxxxxx				Profile 1	None			<input checked="" type="radio"/> No <input type="radio"/> Yes
4	Password = password				Profile 1	None			<input checked="" type="radio"/> No <input type="radio"/> Yes
5	DisplayName = 0xxxxxx (หมายเลขโทรศัพท์)				Profile 1	None			<input checked="" type="radio"/> No <input type="radio"/> Yes
6	Authen ID = 66xxxxxx@catnextgen.com				Profile 1	None			<input checked="" type="radio"/> No <input type="radio"/> Yes
7					Profile 1	None			<input checked="" type="radio"/> No <input type="radio"/> Yes
8					Profile 1	None			<input checked="" type="radio"/> No <input type="radio"/> Yes

Port#   Offhook Auto-dial   Map to FXO Port#   Map to FXO Gateway IP   and Port