

# Quick Installation Guide

☑ UC350

## **Thanks for Choosing Dinstar's VoIP Gateway!**

Please read this guide carefully before installing the gateway. If you need any technical support, please contact us.

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# 1 Model and Interfaces

Interface Model	MCU Board	User board slots (optional)
UC350	2*100/1000M, Base-T, RJ45 1* USB 2.0 1* Console port	FXS Board: 2* RJ45 with 8 FXS FXO Board: 2* RJ45 with 8 FXO E1/T1 Board: 4* E1/T1 Ports

# 2 Description of Indicators

Indicators	Definition	Status	Description
PWR	Power Indicator	ON	The device is switched on
		OFF	The power is switched off or there is no power supply
RUN	Running Indicator	Blinking slowly	The device is running properly
		Blinking fastly	The device is initializing
		ON/OFF	The device goes wrong
FXS/FXO	Line status Indicator	ON	FXS/FXO Port busy
		OFF	FXS/FXO port idle
GE	Network Link Indicator	Blinking fastly	The gateway is properly connected to network
		OFF	The gateway is not connected to network or network connection is improper
	Network Speed Indicator	ON	Work at 1000Mbps
		OFF	Network speed lower than 1000Mbps
RST	/	/	The button is used to restart device

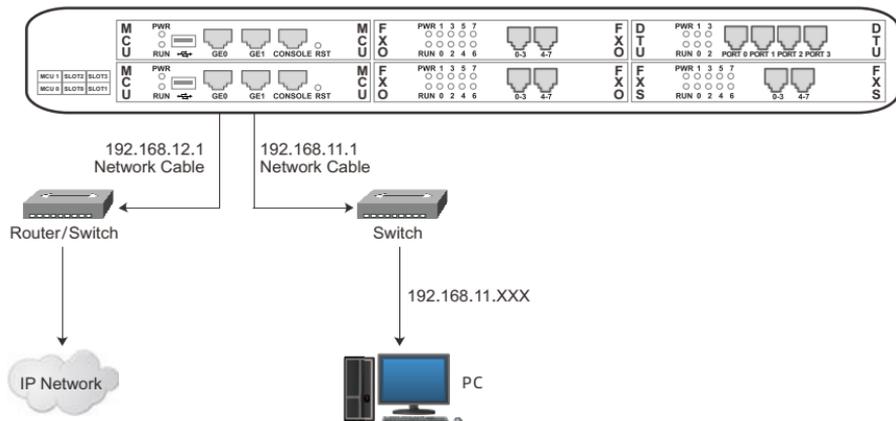
Note: The above table does not contain all the indicator information. For more information, please refer to the user manual or contact technical support.



## 5 Installation Instruction

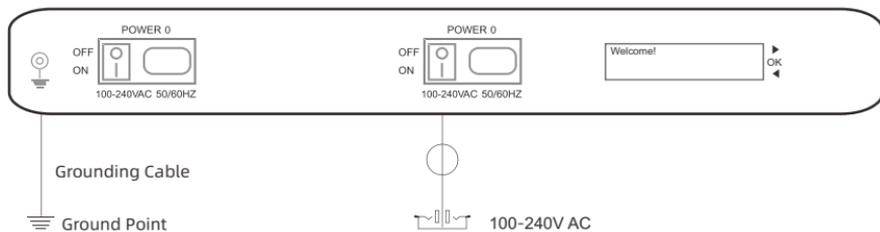
### ► Network connection

- Connect gateway with network via a switch



### ► Connect the power cord to power jack

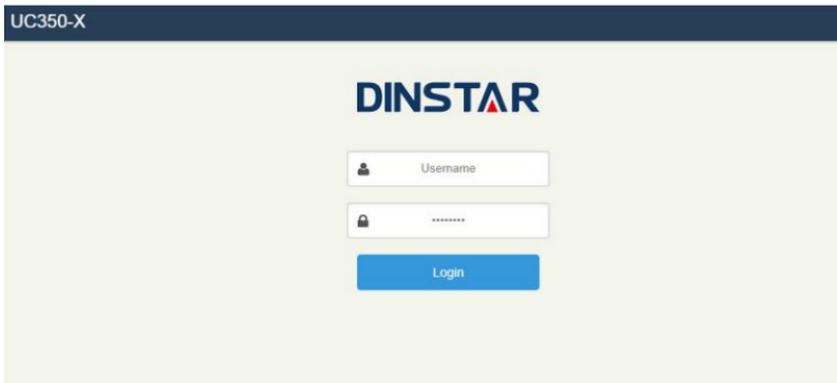
- Connect gateway with power input and ground point



## 6 Login Web GUI

Open the GUI in browser through IP HTTPS: XX.XX.XX.XX .The GE0 default is 192.168.12.1 and GE1 default is 192.168.11.1.

The username is admin and password is admin@123#.



## 7 Check Network Status

Check GE0 and GE1 network status on the "Status → Overview" page.

GE0 Network		GE1 Network	
MAC Address	F8-A0-3D-46-1F-29	MAC Address	F8-A0-3D-46-1F-2A
Type	Static	Type	Static
IP Address	172.19.211.135	IP Address	192.168.11.1
Netmask	255.255.0.0	Netmask	255.255.255.0
Gateway	172.19.1.1	Gateway	0.0.0.0
Preferred DNS server	0.0.0.0	Preferred DNS server	0.0.0.0
Alternate DNS server	-	Alternate DNS server	-
RX / TX (Per Second)	530 Bytes (5 Pkts.) / 229 Bytes (1 Pkts.)	RX / TX (Per Second)	0 Bytes (0 Pkts.) / 0 Bytes (0 Pkts.)
RX / TX (Total)	34.97 MB (449718 Pkts.) / 6.95 MB (15319 Pkts.)	RX / TX (Total)	695.22 KB (11587 Pkts.) / 385.53 KB (9168 Pkts.)

## 8 Modify Network Configuration

Log into the device and click "Network → Settings" at the top menu bar to configure IP addresses of GE0 and GE1 ports.

Click "Save" and "reset" to make the settings take effect.

### Network / Setting

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GE0

IP Address	<input type="text" value="172.19.211.135"/>
Netmask	<input type="text" value="255.255.0.0"/>
Default Gateway	<input type="text" value="172.19.1.1"/>
Preferred DNS server	<input type="text"/>
Alternate DNS server	<input type="text"/>
MTU	<input type="text" value="1500"/>
Metric	<input type="text" value="9"/>

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GE1

IP Address	<input type="text" value="192.168.11.1"/>
Netmask	<input type="text" value="255.255.255.0"/>
Default Gateway	<input type="text"/>
Preferred DNS server	<input type="text"/>
Alternate DNS server	<input type="text"/>
MTU	<input type="text" value="1500"/>
Metric	<input type="text" value="10"/>

## 9 Create SIP Extensions

Click "Extension→ SIP" to create the SIP extension: add/delete/disable/enable, etc. UC350 supports batch add or import account files.

Note: when add the extension, the profile should choose the corresponding one.

Call Forward Unconditional	Off	Index	2
Call Forward Unregister	Off	Name	7400
Call Forward Busy	Off	Extension	7400
Call Forward No Reply	Off	Password	*****
NAT	Off	Classification Tag	
Call In Filter	Off	Outbound CID	
Call Out Filter	Off	DID	
Speed Dial	Off	Max Concurrent Register	1
Allow Being Monitored	<input type="checkbox"/>	SCA	Off
Monitor Mode	Disable	Max Concurrent Call	1
Voicemail	Off	Ring Timeout(s)	50
Recording Profile	1-< auto_record >	Original Called Number Location(Send INVITE)	Off
SIP Profile	1-< GED_Default >	Register Source	Any
Call Back When Dest Ext Busy	Off	Register User Agent	Any
Priority	Normal	Call Pickup	Ring Group
Ringtone	Off	Call Waiting	Off
Status	Enable	Do Not Disturb	Off

After setting, you need to click "apply" to make the settings take effect.

If the status of a newly added SIP account is "registered", it means that the device accepts the registration of the extension.

If the status of the SIP account is "unregistered", it means that the device rejects to register the extension.

The registration status of SIP extension and SIP trunk can be checked on the "Status → SIP" page.

## 10 Add Trunk

### ◆ SIP trunk

SIP trunks are used to connect other SIP terminals or service providers. When add a SIP trunk, you should choose corresponding SIP profile based on your current network. The SIP trunk supports UDP/TCP/TLS.

**Trunk / SIP / New**

Index	2
Name	
Address	
Port	
Outbound Proxy	
Port	
Transport	UDP
Register	Off
From Header User Part	Caller's Number
From Header Display Name	Caller's Number
From Header Host	Local Address
Heartbeat	Off
AutoCLIP Profile	Off
DNIS	Off
SIP Profile	1-< GEO_Default >
Outbound Codec Profile	1-< default >
Extra Param	
Status	Enable

Cancel Save Reset

Also, SIP trunk status can be checked under Status → SIP page.

## ◆ FXO

You can also create Trunk/FXO. It is an alternative to support calls through or from PSTN.

### Trunk / FXO

[FXO](#) [Automatch Impedance](#) [Busytone Learning](#)

#### Trunk / FXO / New

Slot	0
Port	0
Number	
Autodial Number	
AutoCLIP Profile	Off
Work Mode	Voice
Voice Output Mod	Telephone
Gain Configure Mode	General Settings
TX Gain(IP->PSTN)	+4dB
RX Gain(PSTN->IP)	0dB
Impedance	600 Ohm
Hybrid	0
Status	Enable

[Cancel](#) [Save](#) [Reset](#)

## ◆ E1/T1

You can set up ISDN PRI/SS7/R2 connections via digital E1/T1 ports. Please be sure the E1/T1 physical connection is well connected, and PRI status is up and active before configuring the call routing.

### Trunk / E1

E1 Trunk   E1 Param

#### Trunk / E1 / New

Slot	0
Type	PRI
PRI Trunk	
Protocol	ISDN
Switch Side	User Side
Alerting Indication	ALERTING
PRI Parameter	
Calling Party Numbering Plan	ISDN Telephony numbers
Calling Party Number Type	Unknown
Screening Indicator for Displaying Caller Number	User-provided, not screens
Screening Indicator for No Displaying Caller Number	User-provided, not screens
Called Party Numbering Plan	ISDN Telephony numbers
Called Party Number Type	Unknown
Information Transfer Capability	Speech
AutoCLIP Profile	DT
RFC2833-PT	101
DTMF First Priority	RFC2833
DTMF Second Priority	SIP INFO
DTMF Third Priority	Info2

[Cancel](#) [Save](#) [Reset](#)

## 11 Configure Outbound / Inbound Rule

On the "Call Control → Route" interface, you can configure routes for incoming calls and outgoing calls.

Call Control / Route / New

Priority: 300

Name:

**Condition**

Source: SIP Trunk / mtg2000

Number Profile: Off

Caller Number Prefix:

Called Number Prefix:

Time Profile: Any

**Action**

Callback:

Distinctive Ringtone/Alert-info: None

Manipulation: Off

Destination: SIP Trunk / mtg2000

Password Type: Off

Recording Profile: Off

Failover Action:

Buttons: Cancel, Save, Reset

The UC350 supports max 300 routes, the rule with a lower index has a higher priority.

The key configuration of route is at "condition" part. Here, you can configure the route based on the Caller/Called Number prefix and time.

## 12 Basic Operation

Dial \*158# to query the IP address of GE0 port of the device;

Dial \*114# to query the telephone number of a FXS port;

Dial \*111# to restart the device;

Click "system->Reboot" menu to perform reboot.

Note: Dialing \*158# to query the IP address of GE0 port of the device is only available for FXO/FXS user boards. If your user board is E1/T1 boards, it has to query the IP address from CONSOLE.

## 13 More Details

This document only provides instructions for quick installation and basic configuration.

For detailed configuration and Parameter explanation, Please refer to User Manual or ask for technical support.

## 14 Frequently Asked Questions

- (1) Does UC350 support dual network ports to access different networks for interconnection and intercommunication to achieve business?

UC350 can support GE0/GE1 interconnection services at the same time, which can make GE0 calls out of GE1. But the corresponding network port needs to be selected in the extension or trunk. If the network port is selected incorrectly, it will cause connection problems.

- (2) Does UC350 support video call and fax?

Yes, it supports video call (not conference call) such as VP2, H263, H264, H261, and also supports fax (T.30 or T.38).

- (3) What method does the device support to store data?

The storage method can support USB flash disk or SD card.

- (4) How to expand the port when the port capacity is not sufficient?

If more additional FXS, FXO, and E1 ports are needed, you can connect to other external VoIP gateways through SIP trunks.

- (5) Which wiring method is used for the equipment port?

The default FXO interface cable only supports the RJ45 interface, and the RJ11 port needs to be separated by a splitter. Refer to the user manual for specific wiring methods.

- (6) How to factory reset the device?

You can factory reset the device via Web GUI.

### IP Communication Solutions

Shenzhen Dinstar Co., Ltd.

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