



Quick Start Guide

UC200 Pro

UC350&350 Pro

Thanks for Choosing Dinstar's Product!

Please read this guide carefully before installation. For technical support, please call the service hotline:

☎ +86 755 61919966

🌐 www.dinstar.com

✉ support@dinstar.com

Models and Ports

• UC200 Pro

Interface	Number
Ethernet port	2
Console Port	1
USB Interface	1
TF Card Slot	1
FXS Port	2
FXO Port	2

Note: Basically, UC200 Pro is equipped with 2 FXS voice interfaces and 2 FXO voice interfaces. It can be expanded with 2S/2O/1S1O modules, up to support 3 modules.

• UC350&UC350 Pro

Model	MCU Board	User Board (FXO , FXS , FXU , DTU)
UC350	• 2*Network Ports • 1*USB 2.0 Port • 1*Console Por	FXS Board : 2 * R J 45 with 8 FXS FXO Board : 2 * R J 45 with 8 FXO FXU Board : 2 * R J 45 with 4 FXS and 4 FXO DTU Board : 4 * R J 45 with 4 E1 / T1 Ports
UC350 Pro	• 4*Network Ports • 2*USB 2.0 Ports • 1*USB 3.0 Port • 1*Console Port	

Note: UC350 supports up to 4 * E1/T1 ports, while UC350 Pro supports up to 16 * E1/T1 ports

Description of Indicators

• UC200 Pro

Indicators	Definition	Status	Description
PWR	Power Indicator	ON	The device is powered on
		OFF	The device is powered off or there is no power supply
RUN	Running Indicator	Slow Flashing	The device is running properly
		Fast Flashing	The device is initializing
		ON/OFF	The device is running improperly

FXS/FXO	FXS/FXO Indicator	ON	The port is in-use status
		OFF	The port is in on-hook status
USB	USB Indicator	ON	The USB flash drive is inserted
		OFF	The USB flash drive is not inserted
TF	TF Indicator	ON	The TF card is inserted
		OFF	The TF card is not inserted
GE0/GE1	Network Link Indicator	Fast Flashing	The device is properly connected to network
		OFF	The device is not connected to network or network connection is improper

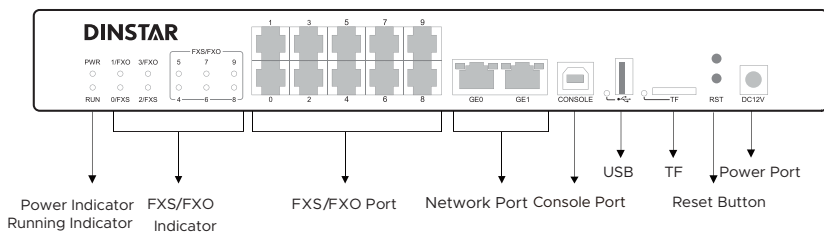
• UC350 & UC350 Pro

Type	Indicators	Definition	Status	Description
MCU board	PWR	Power Indicator	Off	There is no power supply or the power supply is abnormal
			On	The device is powered on
	RUN	Running Indicator	Flashing	The device is initialized successfully and running normally
			On	The system is initializing
			Off	The device is not running normally
FXS/FXO/FXU User Board	PWR	Power Indicator	On	The power supply is normal
			Off	The power supply is not normal
	RUN	Running Indicator	Off	The system is starting up
			Fast Flashing	Part of the port registered successfully
			Slow Flashing	All ports are registered
	FXS/FXO	FXS/FXO Indicator	On	The FXS port is in off-hook (in-use) status
			Off	The FXS port is in on-hook status

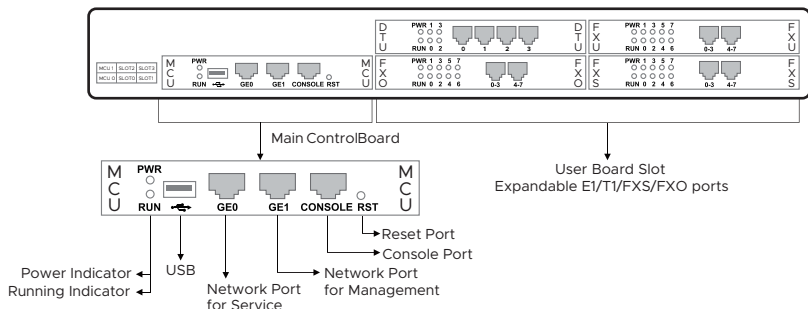
DTU User Board	PWR	Power Indicator	Off	There is no power supply or the power supply is abnormal
			On	The device is powered on
	RUN	Running Indicator	Slow Flashing	The device is initialized successfully and running normally
			On	The system is initializing
			Off	The device is not running normally
	E1/T1	E1/T1 Indicator	On	E1/T1 line is connected
			Off	E1/T1 line is disconnected

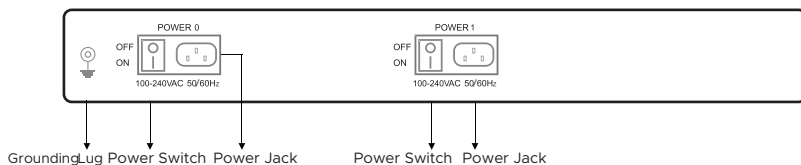
Indicators and Ports

• UC200 Pro

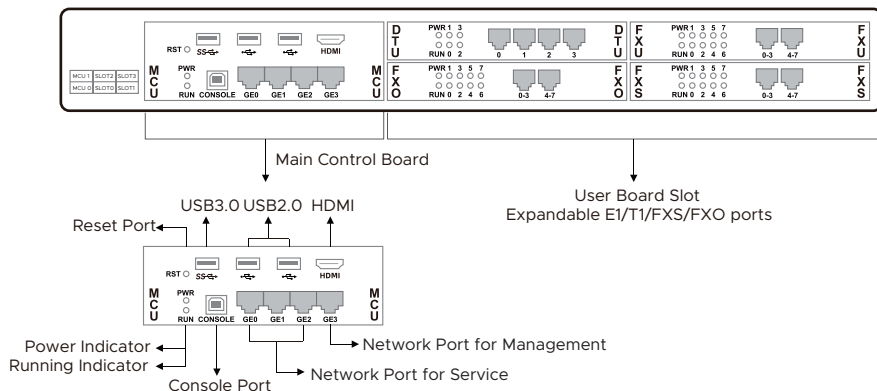


• UC350





• UC350 Pro



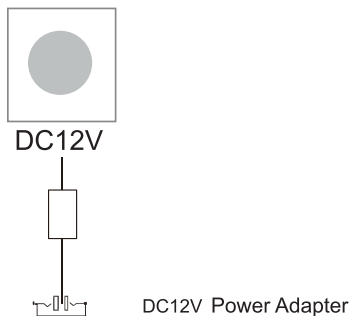
Installation Attentions

1. UC series devices are equipped with power adapters
2. To reduce the interference to telephone calls, please separate power supply cables from telephone lines.
3. To guarantee running of the gateway as usual, please make sure that there is sufficient network bandwidth.
4. For better heat dissipation, please place the gateway on a level surface and ensure space for other devices.

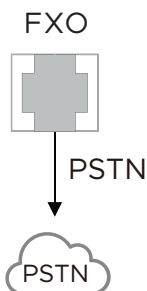
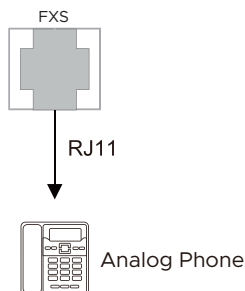
Installation Instructions

• UC200 Pro

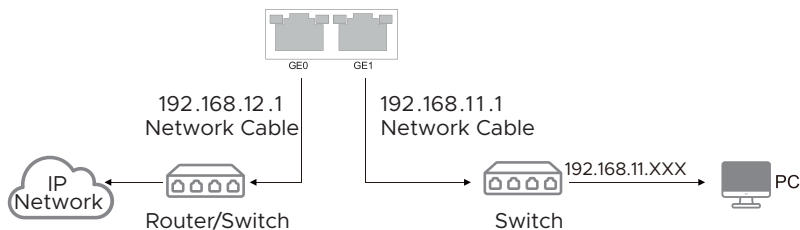
- Connect with Power Input



- Connect telephone line to the FXS port and connect PSTN line to the FXO port.

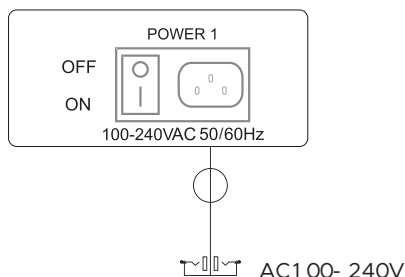


- Connect with Ethernet

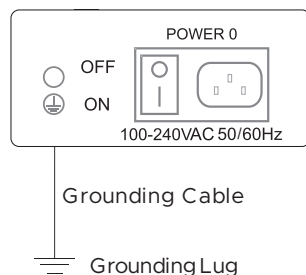


• UC350&UC350Pro

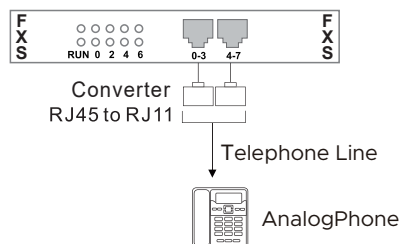
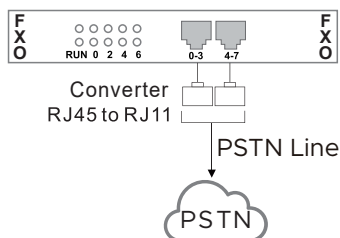
- Connect with Power Input



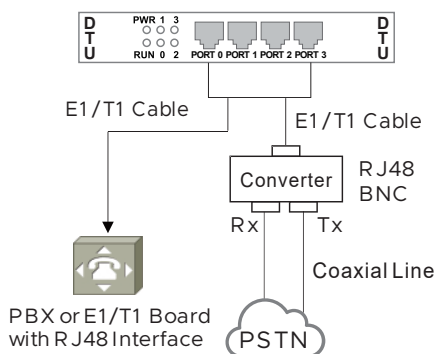
- Connect with Grounding Lug



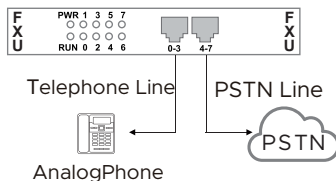
- Connect telephone line to the FXS port and connect PSTN line to the FXO port



- Connect to E1/T1 Ports

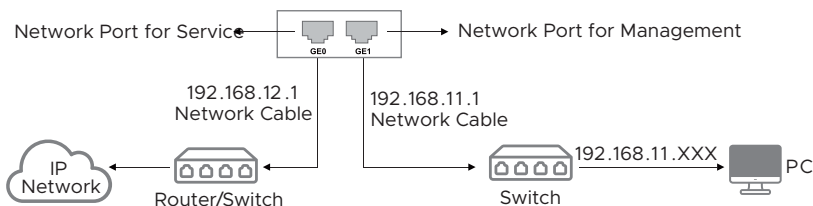


- Connect to FXS ports and FXO ports



Note: Ports 0-3 are FXS, and ports 4-7 are FXO.

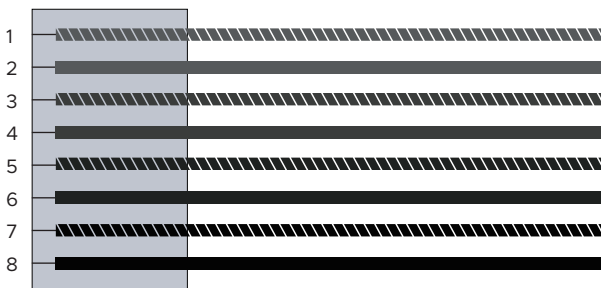
- Connect with Ethernet



Note: The UC350's default network port for management is the GE1 port, and the UC350 Pro's default network port for management is the GE3 port.

Wire Sequence of RJ45

UC350 series products support RJ45 Interfaces for FXS/FXO connections. One RJ45 cable can be split into four pairs of RJ11 interfaces. The outlook wire sequence of RJ45 cable is shown as follows:

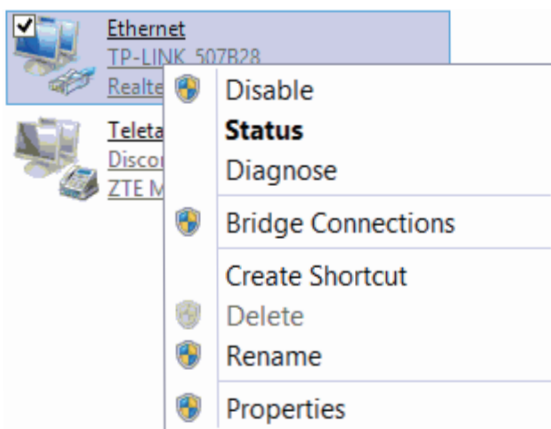


Pair 1	Orange & White
	Orange
Pair 2	Green & White
	Green
Pair 3	Blue & White
	Blue
Pair 4	Brown & White
	Brown

Modify PC's IP Address

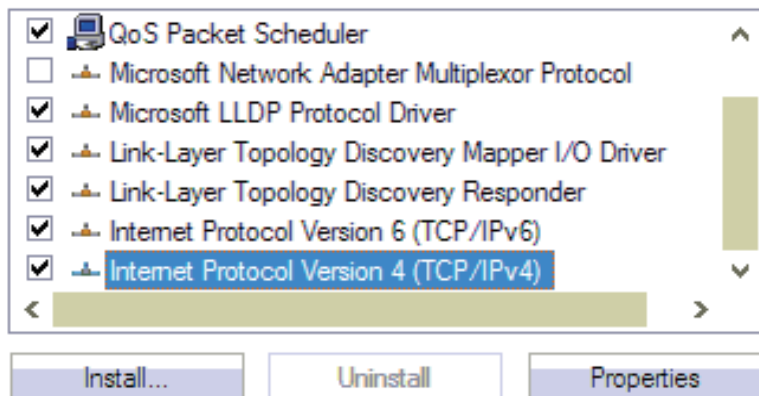
To log in the Web Management System of the gateway, you need to modify the IP address of PC first to make it at the same network segment with the gateway.

- ① On the PC, click 'Network (or Ethernet) → Properties'.

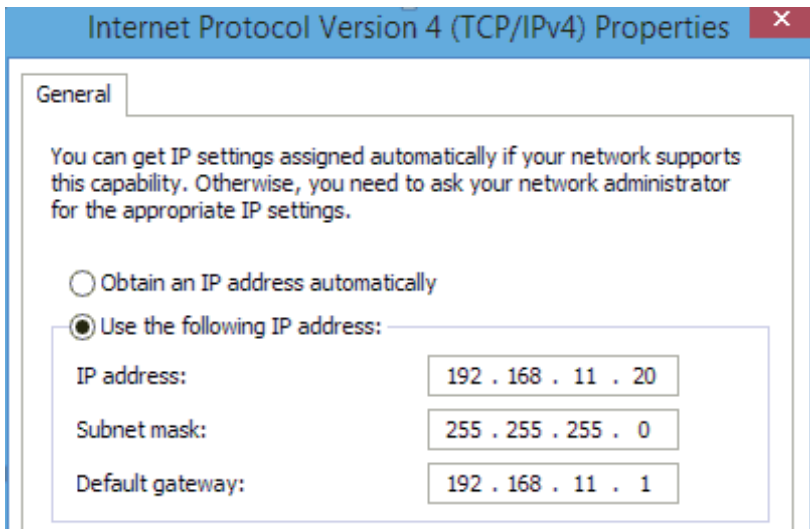


- ② Double-click 'Internet Protocol Version 4 (TCP/IPv4)'.

This connection uses the following items:



- ③ Select '**Use the following IP address**', and then enter an available IP address '192.168.11.XXX' which is at the same network segment with '192.168.11.1'.



Log in Web Management System

- ① Open a web browser and enter the IP address of management network port which is connected to the PC (default IP is <https://192.168.11.1>).
- ② Then, input username and password in the displayed login GUI. The default username and password are admin/admin@123#
- ③ The default management network ports for each model are as follows

Model	Management Network Port
UC200	GE1
UC350	GE1
UC350	GE3

Modify Network Configuration

Users need to modify the IP address of the network ports for service, so that the ports and the upstream network are in the same network segment.

Firstly, you need to physically connect the device's network port for management. Then log into the device by entering the IP address of the network port for management in the web browser and click "System->Network" to configure the IP address of the network ports for service. Click "Save" and "Reset" to make the settings take effect.

Edit Network

Interface	GE0
MTU	1500
Metric	
IPv4	
IP Acquisition Method	Static address
IP Address	172.27.200.10
Netmask	255.255.0.0
Default Gateway	172.27.1.1
Preferred DNS	8.8.8.8
Alternate DNS	
IPv6	
IP Acquisition Method	Disable

Configure SIP Extensions

Click **"Extension & Call Group->SIP Extension"** to create the SIP extension: add/delete/disable/enable, etc. UC series support batch add or import account files. After setting, users need to click "apply" to make the settings take effect.

The registration status of the SIP extension can be checked on the "Extension & Call Group->SIP Extension->Status" page. 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.

New SIP Extension

[SIP Extension](#) [User Info](#) [SIP Phone](#)

Basic Settings

Status	☒
Index	27
Display Name	
Extension	
SIP Password	*****
App Password	*****
Classification Tag	
DID	
Outbound CID	
SIP Profile	2-< GE0 >

Configure Trunk

• Configure SIP Trunk

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

Users can create a new SIP trunk on the "Trunk & Route->SIP Trunk->Setting" interface and the SIP trunk status can be checked under "Trunk & Route->SIP Trunk->Status" interface.

New SIP Trunk

Please go to SIP Trunk / Account Group to create account group when need to register with account group!
Each account in the account group occupies one trunk number, and the maximum trunk number cannot exceed 256!

Status	☒
Index	2
Name	
SRV Query	☒
Address	
Port	
Outbound Proxy	
Port	
Slave Outbound Proxy	
Port	
Transport	UDP
Register	☒
From Header User Part	Caller's Number

• Configure FXO Trunk

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

New FXO Trunk

Basic Settings

Status

☒

Slot

0

Port

1

Name

Number

Autodial Number

• Configure E1 Trunk(Suitable for UC350 &UC350 Pro)

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

Edit E1/T1

Index

2

Name

01-02

Slot

3

Type

PRI

PRI Trunk

Port

1

Protocol

ISDN

Switch Side

User Side

Alerting Indication

ALERTING

Configure Inbound & Outbound Routes

On the "Trunk & Route->Route" interface, users can configure routes for incoming calls and outgoing calls, and select the call Source and Destination addresses for the route. When the configured route is activated, the system will match the route based on the priority index.

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

New Route

Priority

292

Name

Classification Tag

Condition

Source

Select All

Source list 0/50

Any

Local Extension

SIP Trunk / fso

SIP Trunk / SBCa0002

SIP Trunk / SBC100

SIP Trunk / a00004sbc

SIP Trunk / UT

Select All

Target list 0/0

Number Matching

Off

Caller Number Prefix

Called Number Prefix

Time Profile

Any

Action

Callback

On

Distinctive Ringtone(Alert-Info)

None

Manipulation

Off

Destination

SIP Trunk / fso

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Regular Expression

• Regular Expression Syntax

^	Matches the starting position in a number string. For example, ^134 matches the numbers starting
	with 134.
\$	Matches the ending position of a string. For example, 2\$ matches the numbers ending with 2.
	Separates alternate possibilities. For example, 2 3 4 means 2, 3 or 4.
\	Marks the next character as a special character, a literal, a backreference, or an octal escape.
[]	Matches a single character that is contained within the bracket. For example, [123] matches 1, 2, or
	3. [0-9] matches any digit from "0" to "9".
[^]	Matches any one character except those enclosed in []. For example, [^9] matches any character
	except 9.
.	Matches any single character except the newline character. For example, 3.4 matches 314, 324,
	334, 344.
?	Indicates there is zero or one of the preceding element. For example, colour matches both color
	and colour.
*	Indicates there is zero or more of the preceding element. For example, ab*c matches ac, abc, abbc,
	abbbc, and so on.
+	Indicates there is one or more of the preceding element. For example, ab+c matches abc, abbc,
	abbbc, and so on, but not ac.
/d	Marks any digit, equal to [0-9].
\D	Marks any character that is not a digit, equal to [^0-9].
\s	Marks any blank character such as a space or a tab.
\S	Marks any character that is not a blank character.

• Examples of Regex Syntax

<code>^0755</code>	Matches the phone numbers with starting digits of 0755.
<code>^0755 ^8899 ^0110</code>	Matches the phone numbers with starting digits of 0755, 8899 or 0110.
<code>^[1][358][0-9]{9}\$</code>	Matches the phone numbers with the first digit as 1, the second digit as 3, 5 or 8, the left nine digits as any of 0 to 9.

I Basic Operation

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

• Restart the device

- (1) Dial *111# to restart the device;
- (2) Click "system->Reboot" menu to perform reboot.

• RST button

- (1) Under normal running status, press RST button 3 to 6 seconds will restore default username/password, and network configuration restored to factory. Other configurations will keep the same
- (2) Under normal running status, press RST button 6 to 12 seconds, the device will restore factory default and reboot automatically

I More Details

This document only provides instructions for quick installation and basic configuration, For detailed configuration and parameter explanation, please refer to the user manual or ask for online technical support.

Warranty Card

Shenzhen Dinstar Co., Ltd.

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✉ support@dinstar.com

Address: Floor 18, Building 1A, Vanke Cloud City Phase 1, Xingke 1st Street,
Xili Sub-district, Nanshan District, Shenzhen.

■ Qualification Certificate

Model

MAC/SN

Inspector

Date

■ Warranty Claim Form

Cusomter's Name: _____ Purchase Date: _____

Address: _____ Telephone: _____

Date of Failure	Problem Description S/N of Faulty Devices/Parts	Repaired Results	Repaired Date

To help us serve you better. Please fill out this Warrant Claim Form and ship it together with faultydevices/parts.Thanks for your cooperation.

■ Warranty Terms and Conditions

We provide warranty cover for this appliance subject to the following conditions:

1. For any fault that occurs during normal use within one month after product sale, customer can ask for freereturn,replacement or repair,and Dinstar pays the freight out and home.
2. For any fault that occurs during normal use within one year after product sale, customer can enjoy freemaintenance,and part of the return freight is borne by Dinstar.
3. Customer can still enjoy maintenance services within three years after product sale, but he or she needs topay the cost of materials
4. Customer can still enjoy maintenance services after three years since product sale, but he or she needs to paythe cost of labor and materials.
5. Please bring purchase certificate and the warranty card (effective when stamped). If these are notpresented,the free warranty period will be calculated from the date of production.
6. Customer cannot have free warranty service under the following conditions:
 - 1) The free warranty period has expired.
 - 2) Damages caused by human activities (including the damages due to incompliance with the requirements in user manual during installation or use).
 - 3) Damages due to use of accessories that are not produced by Dinstar.
 - 4) Consequences resulting from unauthorized tampering with the product.
 - 5) Damages during transportation, loading or unloading
 - 6) Damages caused by force majeure such as earthquake, fire disaster and lightning stroke.

Shenzhen Dinstar Co., Ltd.

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