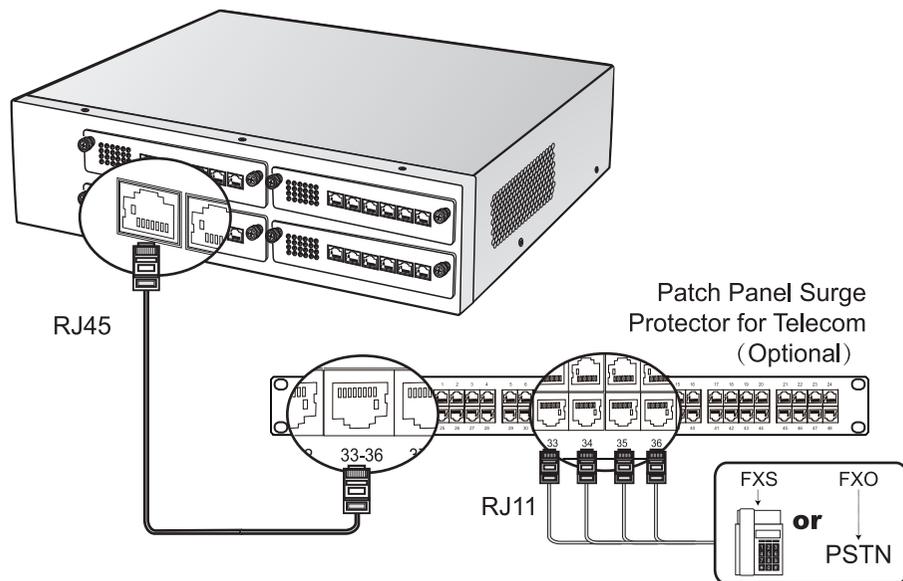# Quick Installation Guide

Installing interface card

It is recommended to disconnect the power supply before installing the interface card (s) , even the interface cards are hot-swappable.

1、 Slide the interface card along the guide rail into the chassis.
2、 Snap the interface card on to the backplane in the chassis.
3、 Turn the two thumb screws clock-wise to secure the interface card.

Connecting the FXS or FXO Cable (See Figure 1)

Do not connect a PSTN line or a PBX extension line to FXS ports. Improper connection may cause damage to the equipment and invalid the warranty.

1、 Use CAT-5 cables with RJ45 plug at one end and lose wires at the other end.
2、 Insert RJ45 plug into RJ45 jack at the faceplate of interface card. Punch the lose wires into a distribution patch panel in proper pair order.
3、 Make connections from distribution patch panel to phones, equipment or PSTN lines. Be sure to match the line type when making final connection.

Connecting the Ethernet Cable

1、 The default GUI login password is: **mx120** .
2、 The equipment is shipped with only ETH1 activated. The default IP address is **192.168.2.240**, and the subnet mask is **255.255.0.0**.
3、 The default telnet username is **root** and the password is **voipgateway**.

Grounding

The main unit provide chassis ground stub. Use the equipped M4 screw to secure the ground cable to the unit.

Connecting the Power Cord

It is recommended to use AC power outlet, or the DC terminal block preinstalled on the device. Make sure the contact of AC/DC power supplies is properly grounded.

Each RJ45 port provides 4-pair analog lines of same type (FXS/FXO). Refer to the following table for RJ45 cable wiring of the phone lines. A RJ11 plug can be used to hook-up a phone for testing purpose, and is connected to the 3rd pair of the RJ45.

RJ45 Pin Number	1	2	3	4	5	6	7	8
Analog Line Number	1st Pair		2nd Pair	3rd Pair		2nd Pair	4th Pair	
Wire Type	TIP1	RING1	TIP2	TIP3	RING3	RING2	TIP4	RING4

Line Card Configuration

RJ45 Port (L to R)	1	2	3	4	5	6
Line Number	1~4	5~8	9~12	13~16	17~20	21~24
24 FXS	FXS	FXS	FXS	FXS	FXS	FXS
24 FXO	FXO	FXO	FXO	FXO	FXO	FXO
16FXS/8FXO	FXO	FXO	FXS	FXS	FXS	FXS
12FXS/12FXO	FXO	FXO	FXO	FXS	FXS	FXS

Note: The pair of FXS and FXO marked with same color support PSTN failover.

Security Warning

1、 When this device is used first time, please reset the GUI password.
2、 It is suggested to install the device behind the firewall.
3、 Please avoid using 5060 as SIP port when the device is directly connecting to the internet.