

# New Rock IPPBX Series

## OM500 IP Office Telephony System

512 Extensions

120 Concurrent calls

Multi-site deployment up to 50 sites



OM500 is a full featured IP-PBX, supporting up to 512 extensions, to deliver benefits of SIP trunking, SIP phones, voice gateway, video, mobile and remote-sites communication. In a 1U high and 19 inch wide compact chassis, it integrates built-in T1/E1 model supporting 2 ISDN primary interfaces to PSTN and provides SD card for massive storage.

OM500 supports both stand-alone and hosted mode of IP-PBX. With its strong scalability, rich connectivity and affordable cost, it is an ideal solution for medium and large enterprises, in particular for headquarters with multi-site branch offices, and also economic solution for medium and large enterprises.

### High Integration and Expansibility

OM500 employs a stack chassis structure. It provides 4 Ethernet ports for direct connection up to 4 extended chassis, each equipped with up to 96 FXS ports for analog phones and/or FXO ports for connectivity to PSTN. Up to 512 extensions in IP or legacy analog phone format can be supported with single OM500 units, bigger capacity is possible in which multiple host chassis are interconnected with internal SIP trunk.

OM500 supports the tie trunk function, which enables low cost multi-site voice networking solution for headquarter and branches through VPN or even on internet. All extensions at various sites can dial each other directly with short numbers and free-of-charge. Up to 50 sites can be included in an enterprise voice network.

### Easy Management

Web-based GUI provides intuitive configuration management. Various means for remote and centralized management are supported, including TR069 clients, SNMPv2, auto-provisioning, and HTTP command lines.

### Being Mobile and Communicating Smartly

With New Rock's WeWei™ softphone or other SIP softphone app, users can register mobile extensions such as smart phones or PADS via Wi-Fi or 3G/4G to OM500, making business call anywhere and anytime.

Neehau™ is a Window based personal soft console designed to work with OM500 extensions to facilitate features such as caller information pop-up for incoming calls, click-to-dial, call history and recording management, and phone notes, which greatly improve the proficiency of communication. Contact list can be easily imported.

### Benefits

- Rich connectivity with built-in T1/E1 modules supporting ISDN PRI, loop start trunk, SIP trunks and tie trunk for multi-site deployment, lines to analog phones and SIP clients to IP phones
- Built-in Ethernet ports to voice gateways for compact deployment
- Auto discovery for plug-and-play of IP phones and softphones
- Applications to provide billing and call history management and recording management
- HTTP REST style application interface to facilitate the integration of third party applications
- Centralized configuration management and runtime status monitoring

# New Rock Technologies IPPBX Products

## Features

### Attendant

Automated attendant  
Interactive voice response  
Working/non-working hour  
Changing profile on a fly  
Queuing  
Operator group

### Incoming call

Direct inward dialing  
Calling line identification presentation  
Call block  
Distinctive ring  
Call waiting  
Call forking  
Call forwarding  
Do not disturb  
Color ring back tone  
Barge-in

### Group receiving

Extension group  
Call distribution group  
Group ringing

### Call Pickup

Direct Pickup  
Call Pickup  
Pick up operator's call  
Group Pickup

### Caller ID

Caller ID display

### Call transfer

Blind call transfer  
Consultation call transfer  
Call transfer to CO line

### Making call

Intercom call  
Account code entry  
Outgoing line preference  
Trunk group  
Speed dialing  
Hot line (Immediate, delay)  
Caller ID block  
Emergency call

### Outside access

Direct inward system access  
Call back on busy  
Remote extension setting

### Call restriction

Toll restriction/Call barring  
Budget management  
Extension lock  
Personal identification code

### Routing

Automatic route selection

### Call hold

Call hold  
Call park  
Music on hold

### Conference

3-way calling on analog and SIP phones  
6-way calling with WeWei™ (New Rock softphone)

### Recording

Preset recording  
On the fly recording

### Audible tone

Dial tone  
Ring back tone  
Busy tone  
Confirmation tone  
Self-defined tone

### Tie trunk service

Direct internal dialing  
Outbound trunk sharing

### Networking

DHCP  
DNS/DDNS  
PPPoE  
NAT traversal  
IP address filtering for security

### Media stream processing

G.711, G.729A  
Echo cancellation  
Jitter buffer automatic adjustment  
Busy tone detection

### Non-telephone terminal

Fax transmit and receive (T.30 and T.38)  
POS transmit  
PBX connectivity (Analog trunk and analog extension)

### System management

Web utility (Local and remote access)  
Firmware upgrade  
Log management  
Configuration import and export

### Application Software

WeWei™ softphone  
NeeHau™ call assistant application  
Recording system  
Call accounting system  
PMSI  
Telegreeting (an audio file conversion tool)

## Hardware Technical Specifications

|                         |                                                   |
|-------------------------|---------------------------------------------------|
| RAM                     | 256MB                                             |
| Flash                   | 32MB                                              |
| CPU                     | TI A8, 1GHz                                       |
| DSP                     | TI C5509, count: 6 (OM500), 9 (OM501), 15 (OM502) |
| CON interface           | 1 RJ45 port                                       |
| Network interface       | 4×10/100/1000 Mbps RJ45 ports                     |
| E1/T1 interface         | 1-2, 120 simultaneous VoIP calls                  |
| SD                      | 32G                                               |
| Power                   | ~100-240V, 50/60Hz, 1A                            |
| Power Consumption       | 18 W (Max)                                        |
| Size (H×W×D)            | 44×440×300 mm, 1U form factor                     |
| Net weight              | 3.18 kg                                           |
| Gross weight (with box) | 4.76 kg                                           |

## Capacity of main chassis

| Model | Trunk | Ext. | T1&E1 |
|-------|-------|------|-------|
| OM500 | 512   | 512  | None  |
| OM501 | 512   | 512  | 1     |
| OM502 | 512   | 512  | 2     |

## Capacity of extended chassis

| Model | Trunk | Ext.  |
|-------|-------|-------|
| MX60  | 16~48 | 16~48 |
| MX120 | 48~96 | 48~96 |