

# New Rock Technologies IPPBX Products

**Officium** Series

## A Full-featured IP Office Telephone System



OM4: 2 ~ 8 extensions



OM12: 4 ~ 30 extensions



OM80: 30 ~ 80 extensions



OM200: 50 ~ 150 extensions

**All-in-one** - OM combines the SIP trunk, SIP client, interface to legacy telephony and PSTN, as well as dozens of user features such as click-to-dial on contact list, mobile extension, BLF, recording, and etc.

**Easy to Install and maintain** - OM provides Web utility for easy configuration, log collection, and firmware upgrade.

**Surveillance** - OM will redirect calls to analog trunk to the central office in the event of power failure or IP network failure.

**Cost-effective solution** - OM delivers rich features in small footprint with the price attractive to any SMB.

### All-in-one Telephone System for Small and Mid-size Offices.

The Officium 4/12/80/200 (Called "OM" hereafter) are **All-in-One** telephone systems for small and mid-size offices, SOHO and branch offices. It provides connectivities to not only POTS and analog extensions, but also IP based SIP trunks and SIP terminals as well. Using VoIP, it allows intercom calls from one office to another over internet or VPN, and it also allows to connect to ITSP via SIP trunking.

Depending on configuration, OM supports from 2 to 96 local extensions, up to 120 SIP terminals as remote extensions, and up to 96 analog ports to PSTN.

### Always Connected with Your Customers

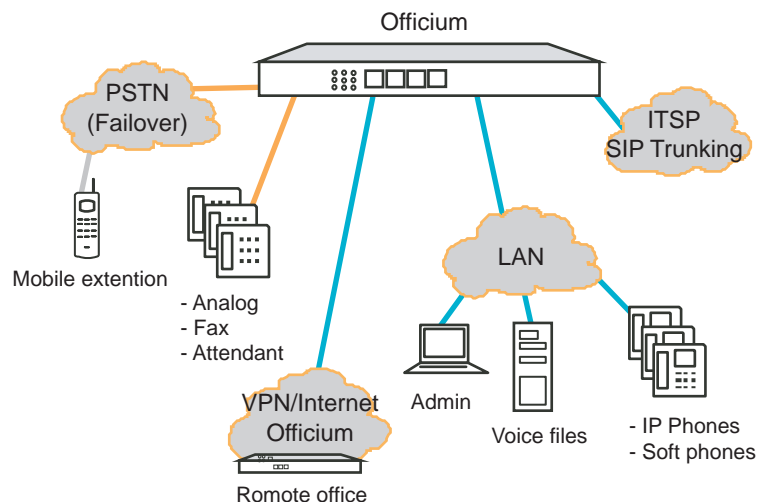
With features such as remote extension, call forking to mobile phone, call back and etc, you can rest assured that no matter where you are, in your office or traveling abroad, or staying home late, you will never miss one important business call from your customers.

### Better Relation with Customers

OM provides many features to improve your customer caring, which can only be found in expensive PBX. It has configurable greetings and reminders for the business hours and close hours. The remote attendant function allows small office to provide 7x24 services without expensive cost. With OM you can provide quality services for less investment.

### Reduction of Telecommunications Cost

OM has all the IP remote calling functions you need for home working, business traveling, and communication among branches through intranet. The international call or long distance calls are turned into local calls or toll free calls. With the advanced routing capabilities OM routes calls intelligently according to call types.



# New Rock Technologies IPPBX Products

## Features

### Attendant

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

### Incoming call

Direct inward dialing (DID)  
CLIP  
Call block  
Call waiting

### Group receiving

Extension group  
Call distribution group  
Group ringing

### Extension receiving

Call forking  
Call forwarding  
Do not disturb  
Distinctive ring  
Color ring back tone

### Call Pickup

Directed pickup  
Group pickup  
Pickup operator's call only

### 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  
Remote extension setting

### Call restriction

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

### Call routing

Automatic route selection

### Call hold

Call hold  
Call park  
Music on hold

### Conference

3-way calling

### Message notification

MWI (FSK, polarity reversal)

### Recording

Preset recording  
On the fly recording

### Audible tone

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

### CO line (FXO)

Polarity inverse detection  
Caller ID detection  
Busy tone detection  
DTMF outpulsing delay  
Volume control

### Subscriber line (FXS)

Polarity inverse generation  
Caller ID generation (FSK, DTMF)  
Ring cadence setting  
Ring frequency setting  
Volume control

### SIP trunk

Registration per line  
Registration per system

### Tie trunk service

Direct internal dialing  
Call forwarding  
Call transfer  
Outbound trunk sharing

### SIP extension

Transfer  
Busy line field (BLF)  
**PC assistant**  
Click-to-call  
Contact list  
Presence  
Instant message  
Retrieving voice mail and recording file  
Call log

### Networking

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

### Media stream processing

Codecs: G.711, G.729A, GSM, T.38  
Echo cancellation  
Jitter buffer automatic adjustment  
Busy tone detection  
Web utility (Local and remote access)  
Firmware upgrade  
Log management  
Configuration import and export

## Product Series

- ▶ [MX VoIP Gateway Series](#)
- ▶ [MX100-TG Trunking Gateway](#)
- ▶ [OX Hybrid Office Telephone System](#)
- ▶ [SX1000 Session Border Controller](#)
- ▶ [Element Management System](#)

## Hardware Technical Specifications

	OM 4	OM12	OM80	OM200
System				
CPU	AT91SAM9G20	MPC852	AT91SAM9G20	MPC8247
DSP Chip	/	TI C5509 (1)	TI C5509 (3-6)	TI C5509 (3-9)
Memory	32 MB	32 MB	64 MB	64 MB
Flash Memory	8 MB	8 MB	8 MB	8 MB
OS	Linux	Linux	Linux	Linux
Analog Extension Interface				
Connector Type	RJ11	RJ11	RJ-45	RJ-45
FXS Type	Loop start	Loop start	Loop start	Loop start
Ring Voltage	60V RMS	60V RMS	60V RMS	60V RMS
Ring Frequency	20-25 Hz	20-25 Hz	20-25 Hz	20-25 Hz
Analog Trunks				
Connector Type	RJ-11	RJ-11	RJ-45	RJ-45
Trunk Type	Loop start	Loop start	Loop start	Loop start
Ringing Sensitivity	45V RMS at 20 - 25 Hz	45V RMS at 20 - 25 Hz	45V RMS at 20 - 25 Hz	45V RMS at 20 - 25 Hz
Ethernet Connection				
Connector Type	RJ-45 (2)	RJ-45 (1)	RJ-45 (2)	RJ-45 (2)
Dimensions (HxWxD)				
Metric (mm)	30x150x100	40x250x120	44x440x260	88x440x300
Weight	0.5kg	1.6kg	3kg	6kg

## Capacity

Model	Analog		IP	
	Trunk	Ext.	Trunk	Ext.
OM4-1S/1	1	1	8	8
OM4-2S/2	2	2	8	8
OM4-2S	0	2	8	8
OM12-8S/4	4	8	20	26
OM12-10S/2	2	10	20	26
OM12-12S	0	12	20	26
OM12-8FXO	8	0	20	26
OM80-16S	0	16	40	60
OM80-24S/8	8	24	40	60
OM80-32S	0	32	40	60
OM80-32S/16	16	32	40	60
OM80-40S/8	8	40	40	60
OM80-48S	0	48	40	60
OM200-88S/8	8	88	80	120
OM200-80S/16	16	80	80	120
OM200-72S/24	24	72	80	120
OM200-96S	0	96	80	120

## New Rock Technologies, Inc.

is an innovation company based in China, focusing on the developing and manufacturing of VoIP equipments. We offer wide range of VoIP products including all-in-one IP-PBX, hybrid IP-PBX, media gateway, session boarder controller, and related application software. We work with service providers, enterprises, system integrators, resellers, independent software vendors, as well as OEM partners.

New Rock is fully funded by IDG Technology Venture Investment, Inc and other investors.

[www.newrocktech.com](http://www.newrocktech.com)

Unit 201, Building 11, No. 777 Longwu Road, Shanghai 200232, P.R. China Tel: +86 21-61202700 Email: [sales@newrocktech.com](mailto:sales@newrocktech.com)

Copy right © 2011 New Rock Technologies, Inc. All rights reserved.

