

# New Rock Technologies IP PBX Products

## Officium Series



OM20\*  
0~20 extensions



OM50\*  
20~60 extensions



OM80  
30~100 extensions



OM200  
100~200 extensions

\*The OM20/OM50 are enhanced models available in April 2015 with unique features such as Smart FoIP®.

### Functions and Benefits

- Flexible auto-attendant
- Click-to-call on contact list
- All-in-one system with analog-gateway modules, FoIP, recording, and voicemail
- Multi-site application via IP tie trunks
- Multi-tenant applications
- Failover to PSTN upon network failure
- Plug-and-play for IP phones\*
- XM/HTTP-based REST API supporting third-party application software
- Compatible with standard SIP servers, such as Cisco CallManager, Broadsoft, Microsoft Lync, Huawei IMS and Asterisk

## A Full-featured IP-Telephony System for Small and Mid-Size Offices

The Officium 20/50/80/200 (hereafter "OM") are All-in-One telephony systems. They provide seamless connectivity to not only PSTN and analog terminals, but also IP-based SIP trunks and SIP terminals. Using VoIP, the OM supports inter-office intercom calls over the Internet or VPN.

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

### Always Connected with Your Customers

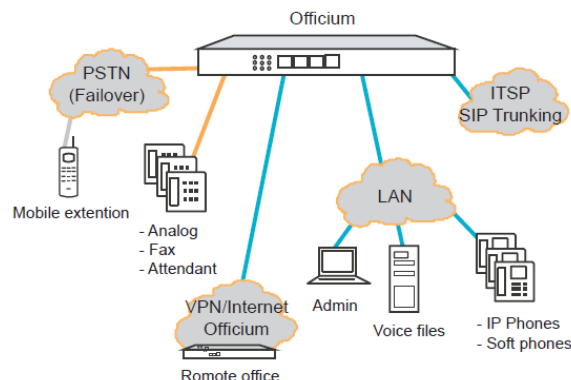
With features such as remote extension, call forking to your mobile phone and call-back, OM assures you that no matter where you are, whether in your office, traveling abroad, or working at home, you will never miss any important business call.

### Mediation Capabilities and Proven Interoperability

OM supports a wide range of voice codecs, providing media normalization, smart fax handling and gain control, and many other media-processing features, such as DTMF, disconnect modes and voice quality enhancement. OM also offers proven interoperability with leading unified communications solutions and SIP trunking providers.

### Reduction of Telecommunications Cost

OM has all the IP remote-calling functions needed to support the remote worker, business travel, and communication with branches through the Internet. With IP, international or long-distance calls are turned into local toll-free calls. With advanced routing capabilities, OM can route calls intelligently according to call types. Combined with New Rock's WeWei softphone App and Neehau business-phone assistant, you can achieve more effective and comfortable communications between you and your customers.



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## Specification

Protocol	
Call control	SIP/UDP, SIP/TCP, IMS
Network	Telnet, SSH*, HTTP, HTTPS*, DHCP/PPPoE client, DNS(A/SRV record), STUN
Media processing	
Caller ID	Bellcore Type 1&2, ETSI, BT, NTT, and DTMF-based CID
Codec	G.711(a/μ), G.729A
Fax over IP	Auto-switch to T.38 from G.711 Fax pass-through, Fax data pump V.17/V.21*/V.27ter/V.29/V.34* for T.38 compliant Group 3 Fax Relay up to 9.6 kbps (OM80/OM200)/33.6 kbps(OM20/OM50). Support Smart Fax over IP (SFoIP) to make fax event more reliable.
DTMF	RFC2833, SIP-INFO, Transparency
Disconnect modes	Polarity reversal, Busy tone detection, Loop current
Voice-quality enhancement	Echo cancellation (G.168-2004, 64 ms tail length), Adaptive jitter buffer
Voice	
Automated attendant/Receptionist	Automated attendant, Centrex IVR, Business/non-business hours, Music on Hold, Attendant group
Dialing	Speed dial, Outgoing route selection, Least cost routing, Automatic route selection
Call settings	Call transfer, Call forward, Do not disturb, Barge, Silent monitoring, Caller ID etc.
Call recording/Voicemail	Call recording (total, on demand), Voicemail indicator
Analog trunk	Caller ID, Polarity reversal detection
SIP trunk	IMS, Multiple SIP servers, Skype Connect
Phone status indication	Status subscription(BLF)

Security	
User-defined ports	SIP port, RTP port, HTTP port to access the Web GUI
Whitelist	Whitelist of Web GUI and Telnet, IP address filtering of SIP
IP phone protection	Prohibition on outgoing dialing by IP extensions on public network, User-Agent authentication, Registration password cracking protection
Web GUI login protection	Prohibition on login from public IP address, Login password cracking protection
Security level	Three levels of security settings
Intrusion prevention	Ping blocking/unblocking

Provisioning, administration and maintenance	
Device management	TR069, SNMP      Application interface      API (XML/HTTP)
Auto provision	Configuration file downloading via TFTP/FTP/HTTP, Obtaining ACS address via DHCP option 66
Phone management	Plug-and-play for IP phones*, Configuration-free installation of softphone
Logging	Log management      Data capture      Port capture, Packet capture
Configuration	Bulk import/export. Resetting to the factory default
Status monitoring/alarming	Status/performance monitoring or reporting. Status/performance alarms

Other	
Multi-site voice	Uniform dial plan, Call forward, Call transfer. Outbound trunk sharing, Three-way calling, Attendant on remote site
802.IP QoS/CoS	IP TOS/TSCP
Media available for storage in internal USB flash drive *	Local recording, Voicemail, Customer information, User-uploaded IVR file

Hardware specification	
CPU	266-700 MHz      RAM      64-128 MB
FLASH	16 MB      Internal USB flash drive*      16 GB
Lightning impulse withstand voltage	3.5kv

## Models

Models	FXS	FXO
OM20-2S/2	2	2
OM20-4S	4	0
OM20-4FXO	0	4
OM50-8S	8	0
OM50-12S	12	0
OM50-8FXO	0	8
OM50-12FXO	0	12
OM50-6S/2	6	2
OM50-10S/2	10	2
OM50-4S/4	4	4
OM50-8S/4	8	4
OM80-16S	16	0
OM80-20S/4	20	4
OM80-24S/8	24	8
OM80-32S	32	0
OM80-32S/16	32	16
OM80-40S/8	40	8
OM80-48S	48	0
OM200-72S/24	72	24
OM200-80S/16	80	16
OM200-88S/8	88	8
OM200-96S	96	0

Note: Optional interface cards are available for OM20/OM50 only.

## Add-on Applications:

- Neehau business phone assistant
- Wewei softphone App
- Zibosoft telephone billing system
- Recording agent
- Telegreeting



**Note:** The items marked with asterisk are supported by OM20/OM50 only.