New Rock Technologies IP PBX Products

Officium Series

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

OM20*
0~20 extensions

OM50*
20~60 extensions

OM80
30~100 extensions

OM200
100~200 extensions

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.

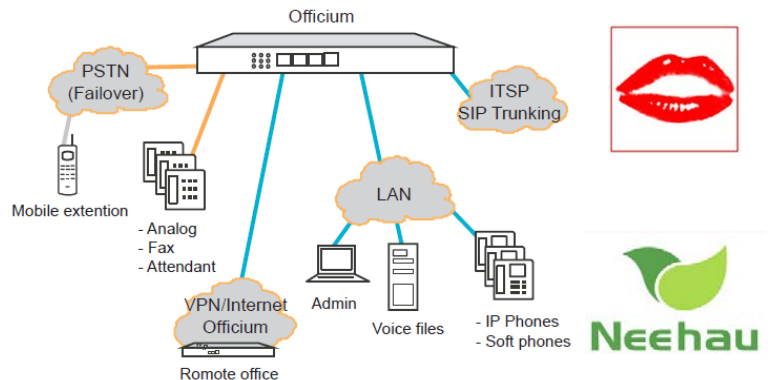### Always Connected with Your Customers
With features such as remote extension, call forking to your mobile phone and call-back, OM assures you that no matter where you are, whether in your office, traveling abroad, or working at home, you will never miss any important business call.

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.

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

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.

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**

New Rock
TECHNOLOGIES

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		

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

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

FC CE RoHS