OM20G/50G IP-Telephony Systems



OM20G



OM50G

	OM20G	OM50G
Max.IP extensions	50	128
Max.analog extensions	4	12
Max.IP trunks	54	140
Max.analog trunks	4	6
Max. concurrent calls	24	30
H×W×D	35×203×136 mm	41×286×161 mm
Model	2S/2, 4S, 4FXO	12S, 10S/2, 8S/4, 6S/6

Features

- Built-in analog-gateway modules and storage for recording, FoIP, and voicemail
- Headquarters and branch-office communications through SIP-based tie trunks
- Mobile extensions keep you connected anywhere and anytime
- The Windows-based SoftConsole provides click-to-dial, call history, and call recording
- Plug-and-play for New Rock IP phones
- XML/HTTP-based RESTful API for third-party applications
- Remote access via the New Rock Cloud
- Management with New Rock or third-party Element Management Systems (TR-069, SNMP)
- Add-on middle-ware for hospitality applications
- Peer-to-peer communication between OM IP-PBX and SIP terminals across NAT without the need for static IP addresses, DDNS or port mapping on the access router

The OM20G/50G (hereinafter “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 calls over the Internet or VPN.

Always Connected with Your Customers

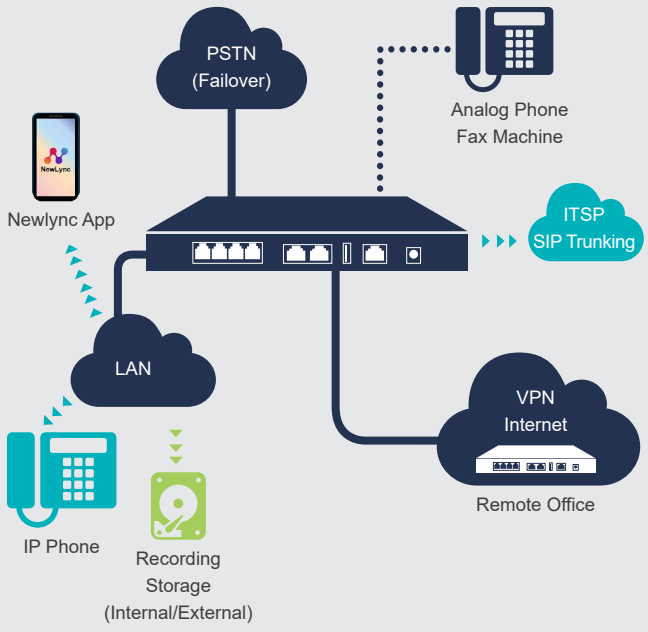
With features such as remote extension, call forking to your mobile phone and call-back, OM assures you that no matter where you are, whether in your office, traveling abroad, or working at home, you will never miss any important business call.

Improving Call Answer Rate

The smart auto attendant can provide 24/7 live answering service to customers, and direct the incoming calls efficiently to the extension or cell phone of the right person through configurable voice menus in business/non-business hours and holidays. Even, it can deliver the calls from VIP customers to the agents directly, bypassing voice menus.

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 connectivity, 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 NewRock’s NewLync® app and Attendant Console™, you can achieve more effective and comfortable communications between you and your customers.



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Specification

Protocols	
Call control	SIP/UDP and SIP/TCP (RFC3261), IMS (3GPP), MGCP (RFC3435)
Network	Telnet, SSH, HTTP, HTTPS, DHCP/PPPoE client, DNS(A/SRV record), STUN, OpenVPN client, 802.1X
Media Processing	
Caller ID	Bellcore Type 1&2, ETSI, BT, NTT, and DTMF-based CID
Codec	G.711 (a/μ), G.729a, G.722.2, G.722
DTMF	In-band audio, RFC2833, SIP-INFO
Hook-flash	Local processing, RFC2833, SIP-INFO
Fax over IP	T.38, G.711 pass-through T.38 compliant Group 3 Fax Relay Maximum fax rate of 33,600 bps (T.38)
Disconnect modes	Polarity reversal, Busy tone detection, Loop current
Voice-quality enhancement	Echo cancellation (G.168-2004), Jitter buffer, Silence suppression (VAD, CNG), PLC
Voice	
Smart auto attendant/ Receptionist	Business/non-business hours/holiday, Music on hold, Attendant group, Multilingual/multi-level IVR, Auto attendant profiles, VIP service
Dialing	Speed dial, Outgoing route selection, Least cost routing, Automatic route selection
Call settings	Call transfer, Call forward, Do not disturb, Barge, Silent monitoring, Simplified DISA etc.
DISA	Authorization with calling party number, Authorization triggered by feature access code
Call recording	Call recording (total, on demand), Recording priority/retention priority upon insufficient storage
Voicemail	MWI (polarity reversed, FSK, high voltage)
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/HTTPS port to access the Web GUI
Access list	IP addresses allowed to access HTTP/HTTPS/ Telnet/SSH service, 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
Encryption	Encrypted password/PIN
Security level	Three levels of security settings
Provisioning, Administration and Maintenance	
Device management	New Rock Unified Management System, TR-069 management (TR-069, TR-104, and TR-106), SNMP
Remote access over TCP	New Rock Cloud
Application interface	API (XML/HTTP)
Phone management	Plug-and-play for IP phones, Configuration-free installation of softphone
Auto provisioning	Download configuration file via TFTP/FTP/ HTTP/HTTPS, Obtaining ACS address via DHCP option 66 or redirection
Log	8-level log management, Syslog, Internal USB flash drive (16 GB)
Data capture	Port capture, Packet capture
Configuration	Bulk import/export. Resetting to the factory default
Status and statistic	Call status and history, Device status monitoring and statistics collection
Monitoring/alarming	Status/performance monitoring or reporting. Status/performance alarms
Other	
Multi-site voice	Support NAT traversal, Uniform dial plan, Call forward, Call transfer. Outbound trunk sharing, Three-way calling, Attendant on remote site
QoS	DiffServ, TOS, 802.1p/Q VLAN tagging
Internal storage	Local recording, Voicemail, Customer information, User-uploaded IVR file

Hardware

	OM20G	OM50G
CPU	Dual core, 880 MHz	Dual core, 880 MHz
RAM	256 MB	256 MB
FLASH	16 MB	16 MB
Internal USB flash drive	16 GB	16 GB
Weight (net)	0.72 kg	1.2 kg
DC power input voltage	12 VDC/1.5 A	12 VDC/1.5 A
Power consumption	9 W	18 W
Mounting	Desktop,Rack	Desktop,Rack
Operating	Temperature: 0 to 40°C Humidity: 10 to 90% RH (non-condensing)	
Storage	Temperature: -40 to 70°C Humidity: 5 to 90% RH (non-condensing)	

New Rock Technologies, Inc. is a leading provider of Voice over IP products in China, offering 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, system integrators, distributors, resellers, independent software vendors, as well as OEM partners.