OM1000-A-UC IP PBX



OM1000-A-UC

Max User	2000
Max. IP extensions	500 Expandable to 2000 by license
Max. IP trunks	1000 Max 2000 SIP Trunks
Max. concurrent calls	200 without recording 140 with recording
H×W×D (1U)	44×440×300 mm

Features

- Connected to IMS Networks via ONU
- 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
- Headquarters and branch-office communications through SIP-based tie trunks
- Mobile extensions keep you connected anywhere, at any time on any network
- 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 Unified Management System or third-party Equipment Management Systems (TR-069, SNMP)
- Dual-redundant Gigabit-Ethernet ports
- Default Dual AC power supply, optional for dual DC power supply

OM1000-A-UC IP-PBX provides versatile solutions containing voice/video call, voice message broadcast, Fax, call recording, mobile extensions, to improve work efficiency and service quality of a large-scale enterprise.

The OM1000-A-UC supports up to 2000 extensions, and the capable of multi-site networking enable the extensions can be expanded to thousands, to meet the requirement of either a single site or multi-site deployment.

High Integration and Expansibility

The OM1000-A-UC is designed as a compact unit with 1U height and it is applicable to a 19 inch rack. It integrates SIP soft switch, voice codec, media processing. The OM1000-A-UC analog extensions can be expanded by connecting MX gateways.

High Reliability

The OM1000-A-UC provides high availability features including 1+1 redundancy of Gigabit-Ethernet ports and AC/DC power supplies (optional).

In addition, with high availability featuring primary-standby, active-standby, as well as PSTN failover to handle the failure of the SIP proxy servers, power supply, and network, users are provided with carrier-class availability with minimized potential downtime.

Easy Remote Management

Embedded with New Rock Cloud client, the device located behind enterprise NAT or firewall can be easily accessed for maintenance and troubleshooting or by far-end applications. Real-time monitoring, alarm notification, remote-packet capture and software upgrading can be performed with New Rock Unified Management System or third-party Element Management Systems connecting over TR-069 or SNMP protocols.

Multi-Site Networking, Unified Management

The peer-to-peer communication allows the OM1000-A-UC to be easily accessed by remote OM IP-PBX, MX gateways, IP phones, mobile extensions, so all extensions of headquarters and branches call each other for free and all trunks can be shared. The unified management of call recordings and call histories is achieved too.

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Specification

Protocols

Call control	SIP/UDP and SIP/TCP (RFC3261), IMS (3GPP)
Network	Telnet, SSH, HTTP, HTTPS, DHCP/PPPoE client, DNS(A/SRV record), STUN

Media Processing

Codec	G.711 (a/μ), G.722.2, G.729a, opus
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 (pass-through)
Voice-quality enhancement	Echo cancellation (G.168-2004), Jitter buffer, Silence suppression (VAD, CNG), PLC
Video codec	H.263、H.264、VP8

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.
Call recording	Through New Rock pbxrecord Software
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 log-in from public IP address, Log-in 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
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
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
Status 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

Supported add-on software

Call recording management system	Comprehensive call recording search, score rating, labeling, statement generation, and other managerial operation, authorization management, and file encryption
Telephone conferencing system	10 conferences with 128 participants
Multi-site telephone network server	Integrated with such features as call routing management, number management, number replacement, and equipment data storage, improving the network efficiency
Attendant console system	Fast and convenient help desk platform that features queue calls, call transfer, and extension status reporting
Billing system	Call monitoring and billing management
DockPMS middleware	Connectivity to Fidelio, OPERA, and other hotel PMSs, providing check-in/check-out, wake-up call, and other features
NewLync	Available for iOS and Android, which enables corporate mobile extensions through the phones of individual employees via WiFi or 4G network

Product Certification

Telecom Equipment Access to Network License	The certificate is issued by the Ministry of Industry and Information Technology of the People's Republic of China NO:04-A555-203121

Hardware

Network Interface	4×10/100/1000 Mbps RJ45 ports
Internal storage	32 GB
RAM	1 GB
Flash	32 MB
Net weight	3 kg maximum
Single/Dual AC power supplies	100 to 240 VAC, 50/60 Hz, 1A maximum
Single/Dual DC power supplies	-36 to -72 VDC, 2.5A
Power consumption	18 W
Mounting	Rack
Operating	Temperature: 0 to 50°C, Humidity: 10 to 90% RH (non-condensing)
Storage	Temperature: -40 to 70°C, Humidity: 5 to 90% RH (non-condensing)

CE FC RoHS

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.