

SPECIFICATIONS

ShoreTel Mobility Router

The ShoreTel Mobility Router is an innovative network appliance that fuses Wi-Fi, cellular, IP telephony and location awareness to mobilize unified communications (UC) applications, while supporting all cellular carriers, enterprise PBXs and wireless LANs.

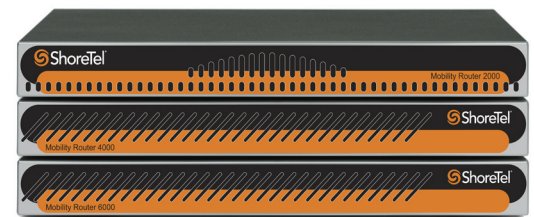
The ShoreTel Mobility solution consists of the patent-pending and highly scalable ShoreTel Mobility Router and the light-weight RoamAnywhere application for mobile devices.

The solution enables you to:

- Drastically reduce mobile costs
- Provide high-quality, low cost in-building coverage
- Increase user productivity with greater responsiveness and accessibility
- Simplify UC for mobile workers and their peers
- Deliver enterprise-grade mobility

ShoreTel Mobility Router platforms

Model	Users	Available Feature Options
ShoreTel Mobility Router 2000	10 - 100	Secure Remote Voice Secure Instant Communications
ShoreTel Mobility Router 4000	10 - 1,000	Secure Remote Voice Secure Instant Communications High-Availability
ShoreTel Mobility Router 6000	10 - 5,000	Secure Remote Voice Secure Instant Communications High-Availability Hardware Encryption/Decryption Hardware VoIP Acceleration



RoamAnywhere Mobility Router platforms
2000, 4000 and 6000

ShoreTel patent-pending location-aware handover

Handover technologies are important for delivering:

- Mobile cost reduction
- A simple, high-quality mobile voice experience
- Mobile network abstraction to allow applications to work seamlessly with automatic handover
- Support for all mobile operators

ShoreTel leverages a full suite of metrics for reliable handover.

ShoreTel Mobility drastically reduces mobile costs

The ShoreTel Mobility suite of capabilities enables organizations to slash mobile costs through policy-based selection of the most cost-effective method of routing calls. The policy engine is able to select from VoIP over Wi-Fi and enterprise cellular least-cost routing. Now you can offload cellular minutes onto the Wi-Fi network when within an enterprise, allowing you to reduce cellular usage and move employees onto lower tier plans while also slashing international roaming costs with Wi-Fi for VoIP calling from overseas.

Enterprise least-cost routing leverages your existing PSTN minutes and routes cellular calls through the enterprise to reduce your cost by an order of magnitude (for example \$2.50/min on cellular and \$0.20/min on PSTN). By fusing location-awareness into least-cost routing, ShoreTel Mobility can automatically select the closest access number for global enterprises with multiple points of presence.

Cost-effectively extend coverage

By leveraging the enterprise WLAN, coverage can be extended for multiple operators with a single infrastructure while providing higher quality voice. The solution also extends coverage to home and public Wi-Fi securely through an industry-first TLS/SSL- based connection.

Drive up productivity and simplify UC

Location-aware presence capabilities in ShoreTel Mobility can extend UC applications to mobile users while extending these applications with the mobile presence. Now your mobile and desk workers can benefit from a rich experience with the users' location automatically identified along with their availability status.

Deliver enterprise-grade mobility

The ShoreTel Mobility solution has been architected to scale from small deployments to deployments with thousands of users with its separated

control and data planes. Delay sensitive voice traffic routes directly between endpoints without needing to traverse the ShoreTel Mobility Router.

The solution natively integrates with your existing enterprise Microsoft Active Directory and LDAP systems to eliminate the need for complex user configuration and enabling administrators to activate users by group. End users can then perform a full over-the-air installation and activation of the solution.

With the ShoreTel Mobility Router 4000 and 6000 platforms, fault-tolerant voice service is provided for high-availability operation, allowing voice calls to continue even in the event of failure of power or network connection to one of the routers.

Specifications

Mobile UC features supported

- Enterprise one number (simultaneous ring of desk phone/mobile, enterprise calling on WLAN and mobile networks)
- Enterprise one voicemail (unanswered business calls route to enterprise voicemail system; unanswered personal calls route to mobile carrier)
- Short number/extension dialing
- Click-to-call support
- Call transfer
- Transfer to desk
- Do not disturb
- Hold/unhold
- Multiple call support
- Call forwarding
- Ad-hoc conferencing
- Mobile directory lookup
- Message waiting indicator
- Business and personal calls
- Location-aware presence
- Presence-enabled directory

Features

- Secure instant communications
 - Provides location-enabled Presence through integration with enterprise presence servers
- Secure remote voice
 - Provides SSL (TLS and DTLS) VoIP and UC capabilities from non-enterprise locations
- High availability
 - Synchronizes configuration and call state to active standby ShoreTel Mobility Router

Certified IP-PBX (line-side integration)

- Aastra MX-ONE TS
 - Version 4.0 or greater
- Alcatel-Lucent OmniPCX Enterprise
 - Version 9.0 or greater
- Asterisk-based PBXs –
 - Version 1.4 or greater
- Avaya Communications Manager with SIP Enablement Server
 - Version 3.1 or greater
- Cisco Unified Communications Manager
 - Version 5.0 or greater
- Mitel ICP
 - Version 9.0 or greater
- Nortel CS1000 with MCS5x00
 - Version 5.5 or greater
- Nortel CS2100
 - Version 10.3 or greater
- ShoreTel
 - Version 12 or greater
- Toshiba Strata
 - Version 4.0 or greater

Compatible IP-PBX (trunk-side integration)

- Any RFC 3261-compliant SIP PBX
- Microsoft OCS
 - Version 2007, Version 2007 R2
- Any analog/digital legacy PBX when connected to the Mobility Router via a SIP voice gateway (e.g. Cisco IOS Voice Gateway, Audiocodes Mediant 1000 VoIP Gateway)

Enterprise presence servers supported

- Microsoft OCS
 - Version 2007, Version 2007 R2

Dual-mode smartphone platforms supported

- Apple iPhone/iPad/iPod Touch
 - Version 3.0 or greater
- Nokia S60 (Symbian)
 - Version 3.0 or greater
- RIM BlackBerry
 - Version 4.6.0.297 or greater

Single-mode (cellular) smartphone platforms supported

- RIM BlackBerry
 - Version 4.5 or greater
- In addition, all supported dual-mode smartphones are able to operate in single-mode operation without the need for Wi-Fi if desired

Mobile operators supported

- North America
 - AT&T Wireless, Alltel, Bell, Rogers, Sprint Nextel, T-Mobile, Telus, Verizon Wireless
- Europe
 - 3, Belgacom, KPN Mobil, O2, Orange, Proximus, T-Mobile, Vodafone
- Worldwide
 - Compatible with GSM and CDMA mobile operators

Standards

- IEEE 802.11a, b, g, n, e
 - Wi-Fi Radio Standards
- IEEE 802.11i
 - Wi-Fi Security Standards
 - WPA/WPA2 (Enterprise +Personal)
- RFC 3261, 3263, 3865, 4028
 - SIP and Secure-SIP
- RFC 3550, 3611, 4346, 2818,
 - Voice Media and Encryption 4252-4, m 2833
- RFC 2865, 2869, H.350.4
 - RADIUS, Extensions, LDAP
- RFC 2246, 4346, 2818, 4347
 - SSL, TLS, DTLS, HTTPS
- RFC 1213
 - SNMP MIB II

Authentication

- RADIUS
- Active Directory
- LDAP
- TACACS+/Local authentication

Encryption

- Secure Remote Voice
 - AES-128, AES-256
- Wireless LAN
 - WEP64, WEP128, TKIP (WPA), AES-CCMP (WPA2)

Wireless LAN interoperability

- Cisco (including integration with Wireless LAN Controllers and Mobility Services Engine)
- Aruba (including integration with Wireless LAN Controllers/Switches)
- Meru
- Motorola
- HP
- Trapeze
- Aerohive
- Xirrus

Voice over WLAN recommendations

- Enable WMM, WMM-PowerSave(U-APSD), Call Admission Control

Regulatory compliance

- Electromagnetic Emissions & Immunity:
 - FCC Class B
 - EN 55022 Class B
 - EN 61000-3-2/-3-3
 - CISPR 22 Class B
 - EN 55024/CISPR 24
- Safety:
 - UL Listed (USA)
 - CUL Listed (Canada)
 - TUV Certified (Germany)
 - CE Mark (Europe)
 - EN 60950/IEC 60950-Compliant

Hardware specifications

Mobility Router	2000	4000	6000
Physical	17.2"W x 14.5"D x 1.7"H	17.2"W x 19.85"D x 1.7"H	17.2"W x 23.5"D x 1.7"H
Environmental	Temp: 10-35C (50-95F) Humidity: 8-90% non-condensing		
Weight	18 lbs (8.2 kg)	38 lbs (17.3 kg)	37 lbs (17 kg)
Interfaces Supported	Two 10/100/1000 RJ-45 Ports One DB9 Serial Port		
Power	Single Power Supply 120-240 VAC, 50/60 Hz 7A-3A Maximum, 520W	Single Power Supply 120-240 VAC, 50/60 Hz 7A-3A Maximum, 520W	Dual Redundant Power Supply 120-240 VAC, 50/60 Hz 7A-3A Maximum, 520W

About ShoreTel

ShoreTel is the provider of brilliantly simple Unified Communication (UC) solutions based on its award-winning IP business phone system. We offer organizations of all sizes integrated, voice, video, data, and mobile communications on an open, distributed IP architecture that helps significantly reduce the complexity and costs typically associated with other solutions. The feature-rich ShoreTel UC system offers the lowest total cost of ownership (TCO) and the highest customer satisfaction in the industry, in part because it is easy to deploy, manage, scale and use. Increasingly, companies around the world are finding a competitive edge by replacing business-as-usual with new thinking, and choosing ShoreTel to handle their integrated business communication. ShoreTel is based in Sunnyvale, California, and has regional offices and partners worldwide. For more information, visit shoretel.com.

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