MX Series Voice Gateway Release Notes

Version: Rev 1.9.82.344   Date: 11/25/2015

Firmware Modules

Model \\ Component	Software Version	Kernel Version
HX4E	Rev 1.9.82.344	Kernel 2.0.6(F)
MX8A	Rev 1.9.82.344	Kernel 2.0.6mt(F)
MX60	Rev 1.9.82.344	Kernel 2.0.5(F)
MX120	Rev 1.9.82.344	Kernel 2.0.5(F)

New Features

1. Support sending voice recordings in real time to a recording agent developed by New Rock running on an external storage server.

2. Support Direct Outward Dialing (DOD) of FXO port, which allows the device to select an FXO port for outbound call based on the calling number in **From** field of INVITE.

3. HX4E/MX8A is embedded with VPN client to support L2TP and OpenVPN.

4. Support SIP over TCP compatible with Microsoft Lync.

5. Support VLAN discovery over DHCP (option 132 and option 133).

6. HX4E/MX8A supports SSH and HTTPS.

Improvements

1. The SIP INFO message is allowed to carry multiple DTMF digits (for example, signals=123).

2. Automatically switching back to the primary server is supported after failover to the standby server when the device works on primary-standby mode in the high availability (HA) function.

3. A default IP address can be configured when domain name is used for the SIP registration server. The device will use the default IP address when DNS server fails to respond to the request. Note: while registering to the server at the default IP address, the device continues to send DNS request until a response is received and the device will re-register to the new address.

4. The last number of the SIP Server IP address can be configured as 0.

5. Support detecting changes of the reflexive address of the device via STUN, and then triggering re-registration to SIP registrar. The factory default STUN server is the New Rock STUN server. By default, STUN is disabled.

6. Allow up to 30 characters for password in the plain text. It was 24 previously.

7. FXO port supports pulse dialing.

8. Make the look and feel of MX60 and MX120 Web GUI similar to that of MX8A/HX4E.

9. Improvements of Auto Provision:
   - Support getting routing rules configuration from ACS.
   - The factory default of HTTP User-Agent header is allowed to be configured in the format "Company Device Software-Version MAC-Address/SIP-Version" (e.g. NewRock HX4E-2S/2 VER.1.9.82.325 MAC.00:0E:A9:33:33:33/UA 2.0).
   - The **FIRM_UPGRADE** parameter provisioned from ACS takes effect immediately rather than next time when the device visits ACS.
   - Support HTTPS-based ACS.
   - HTTP/HTTPS-based ACS address can be obtained via DHCP option 66.
   - HX4E/MX8A supports Kernel version upgrading by.img file obtained from ACS.

10. Optimize text on **Basic**>**FoIP** page and **Advanced**>**Security**>**Ping** page.

11. The hot line delay time is allowed to be configured on **Line**>**Advanced** page.

12. Changes of factory default:
    - The inbound Ping request is unblocked.
    - The service feature codes are not allowed to be configured.
    - The **Increments of port number** on **Basic > SIP** page is 5.

Bugs Fixed

1. If the domain name fails to be parsed, the routing rules based on the domain name will not be lost.

Note: It is required to use a .bin file to upgrade to this version from a lower version.