**SCM Express SMT-i5220S Software release**

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| **Model** | **Package name** | **Description** |
| **SMT-i5220S** | **i5220S\_SCME\_V02.90\_161213.tar.gz** | **SCME Version : V5.4.2.x/V6.x**  **SCMC : V2.0.0.x/V2.1.0.x** |

## *New Version Changes*

**V2.90 (2016.12.13)**

**\* New features**

1. 2 new Languages are added(Canadian French, Netherland Language)
2. Ring Deflect and Ring Preference are added with SCMC V2.x
3. Multicast Page rejoin is added with SCME V2.x
4. When user log out and log in as the another user(hot-desking), the headset status is keeping.
5. TLS 1.2 chiper preference is added

**\* Fixed problems**

1. When the call is transferred from another station, the original CLI information is lost. Fixed this issue.
2. When the ping ring is activated, some long station name with UTF-8 character set is not displayed. Fixed this issue.
3. Forward Status by JOG Dial was occasionally wrong. Fixed this issue.
4. LCD Contrast value is adjusted.
5. Unwanted connection is rejected by the UC service port of IP phone(news and communicator)
6. “Nmap” tool protection is added for opened port of IP Phone.
7. Some program key change which can be only assigned and edited by system administrator is not allowed by IP phone. IP Phone will display the error message for this case.
8. When all forward clear is activated, VMS Forward information is also cleared. Fixed this issue.
9. When DHCP Server sends NACK for DHCP Request, this NACK was ignored. Fixed this issue.
10. DHCP Server Identifier is additionally handled by IP Phone.
11. BLF Line seizure operation is changed for multi-line configured ip phone.

- In Normal Dial State: Cancel the current dial state and seizure the new line and go to the dial state

- In Transfer or Conference State: Transfer or Conference will be operated with not the new line but the old line.

1. When the LAN port is unplugged and plugged repeatedly during the provisioning step, it is possible that the IP Phone stop the login procedure due to the LAN initialization. Fixed this issue. IP Phone will reboot and recover this error situation if it meets this case.
2. Back Light off issue regarding message is fixed
3. When user tries to start / stop the phone recording repeatedly, sometimes, the recording status information is wrong displayed. Fixed this issue.
4. When user presses the VM TRAF (or Move to mobile) and then cancels it during the recording state, the connected time is reset to 0. Fixed this issue.
5. Premium CID Display is enhanced in case of using Extension Number at SCME V6.1. Also, when the transfer is completed during the ring state, the P-CID display is updated.
6. When the incoming call is delivered to Phone via Hunt Group, the display information is wrong. Fixed it.
7. Upgrade Limitation is removed from SCME to SPP. This limitation was only for US version IP Phone.
8. When user tries to assign the program key without value, it will be failed.
9. Some wrong Italian words are fixed.
10. When the tone play is repeated with SPK mode, Echo Tone is played. Fixed this issue.
11. Abnormal Phone down regarding deleting the information of program key is fixed.
12. When the old IP Phone (V1.x) is upgrade to V02.8x or later, the provision step is repeated according to the PC VLAN Option. Fixed this issue.
13. When all multiline information is removed, the current ip phone can’t handle this situation. Fixed this issue. Added the Easy Installation Menu
14. When Headset mode is assigned to Program Key, the LED Control for this key was failed when IP Phone is restarted. Fixed this issue.
15. Ad-hoc Conference state mismatch issue is fixed. This is related with adding 4th Member into the current conference. When user tries to enter the step to add 4th member into the current 3 members conference state and then one of old members tries to drop the current call, Switch System and IP Phone can’t manage the final call state after finishing the add sequence for 4th member. From the V02.90 and SCMC V2.1, this situation can be managed as a conference state

**Limitation**

1. When user set to “peer info” as a “Display Option” of [SCM Administrator -> User -> Single User -> Number Translation -> Display Option], “Recording” statement for displaying the current record state is not represented.
2. There are several program key items that could be editable by system administrator. For these keys, IP Phone can’t edit them. When you try to edit these keys, IP Phone will display the error message.
3. When Scheduler Alarm is activated and then user press any key including the empty soft key, the alarm tone will be turned off.
4. Internal VM or Conference Module of SCME/SCM Compact doesn’t allow G.722 based Recording although IP Phone allows to configure G.722 only codec mode as its codec option.
5. Regarding the FWD set to multiline assigned IP Phone by using JOG DIAL, if user set -> reset -> set the FWD by dialing JOG DAL, the final FWD set will be delayed due to handling the several configuration message. (About 10 seconds delayed.
6. When User presses several digits key rapidly, UI display may be delayed due to the update speed limitation.

## *New Version Changes*

**V2.84 (2016.01.07)**

**\* New features**

1. Hot Line Feature is enhanced. When the specific line key is entered, the hot line function will be activated and dialing out is started. In this case, the normal digimap function is not working. And also, when several digits are entered, this will be dialed automatically.
2. Premium CID(based XML Server) Information is saved into the call history log according to the system configuration. (User -> Single Phone User -> Phone -> Call Log for XML P-CID Option)
3. Display Option for Profile Update Notification is added. (Administrator Tool -> Phone Setting -> Phone Configuration -> Display for Profile Update Option)

- Enable : User can see the notification window when the profile is updated.

- Disable: No Display

1. For Call History Log, CLI for Forwarded Call Display Option is added.(Administrator Tool -> Single Phone User -> Number Translation -> CLI for Forwarded Call)

- Originator: When Call is transferred, the original caller id is recorded into Call History Log

- Forwarder: When Call is transferred, the forwarder id is recorded into Call History Log

- Forwarder with Originator Name: Forwarded with Originator Name is recorded into Call History Log.

1. Phone Password Change Option by administrator is added.(Administrator Tool -> Single Phone User -> Phone -> Phone Administrator / User / Web User / Telnet Password)
2. Phone Headset Key Use Option (Use/Not Use Option. Default: Not use) is added.
3. PC VLAN Use Limitation Option is added(Administrator Tool -> Single Phone User -> Phone -> Use PC-VLAN)
4. OpenSSL is updated to V1.0.1p.
5. **Multicast Paging Function is added. This function is available with SCME V5.4.2.6 or later.**
6. Removed the upgrade limitation from SPP -> SCME and SCME -> SPP.
7. **Phonebook is transformed from SPP to SCME when the firmware is upgrade to SPP -> SCME.**
8. **Line Lock Out and Alarm Options are added. When the phone is in Line-Lock-Out state, the notice alarm tone is played. When the Line Lock Out option is set to No, the notice alarm is not played.**
9. **Port Filtering Function is added (IP Filtering was already supported) in order to protect the current connection by the unexpected RTP Packet from the other side.**
10. **The Complexity Check option for IP Terminal Password is enhanced. (telnet, ssh, admin, user)**

**\* Fixed problems**

1. CID Display Limitation is not operated occasionally. Fixed this issue.
2. When the firmware is updated from SPP to SCME, the bell tone of the IP Phone was wrong updated. Fixed this issue.
3. Within Menu -> Settings -> Application Set, Softmenu is wrong displayed. Fixed this issue.
4. One of provision protocol (https) was not working. Fixed it.
5. Removed the Easy Install from Menu -> Settings -> Application Set due to security issues.
6. When the IP phone with the multiline mode is set to the auto-record mode, the conversion call of the first line is automatically muted in case that the second line has a new call. Fixed this issue.
7. At the multiline mode, when the 1st line has a connection call and then 2nd line receives the new incoming call, the 1st line’s connected user(the other side) could hear the noise(echo sound). Fixed this issue.
8. The transferred call log was not saved according to the system configuration.(Administrator Tool -> Single Phone User -> Number Translation -> CLI for Forwarded Call)
9. Changed Call Feature Display Priority. FWD -> ABSENT -> DND -> Auto-Answer
10. When the AOM Keys are pressed several times within the very short period, the 1st call request cancellation was failed occasionally. This situation makes the wrong CDR report. (Call duration was recorded 0 for the 1st call) fixed this case. Without the explicit cancellation for the 1st call, the 2nd call request is not requested.
11. When sRTCP Sequence No is wrong delivered, the old firmware could be rebooted. Fixed this issue.
12. When the internal call is answered and the initial RTP packet is delayed, there was a muted case about 5 seconds. Fixed this case.
13. Adjust the RING1 and RING2 tone level because RING1 tone level is higher than RING2 at the same ring volume.
14. Follow-Me Destination Display is not updated. Fixed this issue.

## *New Version Changes*

**V02.61 (2014.10.16)**

**\* Fixed problems**

1. VLAN ID range is changed (1~4094 -> 2~4094)

## *New Version Changes*

**V2.60 (2014.09.02)**

**\* New features**

1. Select display option by provisioning about all call forward number in idle status.
2. Internal SCME Premium CID is added. (callinfo type)

**\* Fixed problems**

1. OpenSSL version up (V1.0.1c -> V1.0.1h)

* Weakness of previous version OpenSSL was fixed.
* OpenSSL version is showed in phone information menu.

1. No answering time for sending or receiving calls is extended. (3mins -> 1 hour)
2. Fixed speaker volume decreasing problem when push digit button during call.

## *New Version Changes*

**V02.55 (2014.04.24)**

**\* Fixed problems**

1. OpenSSL Heartbleed bug was fixed.
2. Fixed AFT (Automatic Function Test) issue at factory.  
    - In AFT Test mode, Key Test issue was fixed.

## *New Version Changes*

**V2.53 (2014.04.08)**

**\* Fixed problems**

1. The In/Out Hunt group button is not working correctly in Program Key(STA lab test issue)  
2. Fixed AFT (Automatic Function Test) issue at factory.  
 - In AFT Test mode, string was broken in LCD Screen.

## *New Version Changes*

**V2.52 (2014.03.06)**

**\* New features**

1. Provisioning status display feature is Add.

* After phone is reboot or login state, phone will download profile from SCME system, phone will display Downloading and Analyzing state progress bar.

1. VM Transfer Dial input state, one step transfer function was added (STA VOC).

* When VM Transfer state, input Program key(Speed Dial, BLF, …)

1. Program Key/AOM Key editing method was changed (Korea VOC) .

* When Idle state, program and AOM button was pressed more than 1 second, change edit Program key and AOM Key menu.

1. When All Call Forward was set, phone displayed call forward destination telephone number. (Korea VOC)

**\* Fixed problems**

1. VLAN Setting Issue was fixed(by LLDP Message)

* Before : If LLDP message was tagged message, phone does not set VLAN from LLDP message and discarded this LLDP message.
* After : If LLDP message was tagged message, phone set VLAN from LLDP message.

## *New Version Changes*

**V2.44 (2013.09.13)**

**\*New features**

1. Spanish language was added.
2. Improve mixed volume scale of peer-side in phone bridge recording.
3. Accept click-to-dial request in disconnect state. (busy response in previous)
4. Enable to control PRACK(RFC3262) by SCME Admin GUI.
5. Add comport noise negotiation in SIP SDP. (RFC3389)
6. The option, retrieve hold call automatically, was added.

* If the option was enabled by SCME admin GUI, the phone retrieve hold call automatically when second call dropped on transferring.

1. ‘Ring Delay’ control added.

* Ring is delayed until ring-after value of Invite Info. (degree : sec)

1. Improve distinctive ring function.

* SCME can choose the index of ring which is designated to the melody of phone

1. Digit-map exception option in Program/AOM key applied.

* If the attribute value of digit\_map is set to ‘0’ in program/AOM key configuration, phone skip searching digit-map.

1. TLS option added. (TLS 1.0/TLS 1.2)

* Phone operates with the version defined in profile.

1. Telnet access was blocked.

* Telnet access can be allowed by changing option in SCME admin GUI.

1. User name setting menu added.
2. Log-out function added in program key setting.
3. ‘(‘,’)’ character can displayed in display name.
4. Call history menu added on soft key in Dial state.
5. Held control added when phone received Re-Invite message with ‘a=sendrecv’

(MOH option was selected ‘sendrecv)

1. Disconnect timer control added. (ex. intercom, paging)

=>When call state changed to end status(BYE), system send disconnect option value.

Then, phone was operated by value. If disconnect timer value was set to ‘0’, phone does not ring disconnect tone.

1. Improve LLDP function.

* If VLAN information is changed in LLDP data, phone tries to get new IP address by re-sending DHCP offer message with changed VLAN.

1. Improve “Anonymous” call display

* Before : If number or name is anonymous, phone displays“Anonymous”.
* After : If number is anonymous but name exist, phone displays both “Anonymous” and name.

1. Display the name of AOM set by SCME admin GUI instead of ‘AOM 1/AOM 2 …‘.
2. Improve secure policy with password

* If security option is enabled, SCME makes profiles with password encryption.
* If the option is enabled, phone check strong password rule.
* Minimum 8 characters in length
* Contain 2/3 of the followings, Alphabet/Number/Symbol

1. Improve Call info screen.

=>before : If Peer name is empty, phone displays repeatedly number instead of name.

after : Phone do not display number instead of name.

**\* Fixed problems**

1. Fixed the issue that phone displays fail when change alarm status ‘Enable’ to ‘Disable’
2. Fixed the profile download fail issue - provisioning with HTTPs and narrow bandwidth

(SEUK : SMT-i310x)

1. Fixed the updating profile issue – partially success in downloading profiles

* Before : partially update and set defaults with download-failed profile
* After : fail and previous configuration was reserved.

1. Fixed wrong Russian string

**SCM Express SMT-i5220S Software release**

**SCM Express S/W release**

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| **IP Phone** | **Package name** | **Description** |
| **SMT-i5220S**  **(16M Flash)** | i5220S\_SCME\_V0227\_20130523.tar.gz | **SCME Version : V4.0.0.8** |

## *New Version Changes*

**V2.27 (2013.05.23)**

**\* New features**

1. Product name has just been changed.

: SMT-i5220D → SMT-i5220S (16M Flash)

1. Processing delay of the phone bridge recording has been improved.
2. TLS 1.2 applied.
3. LED programming button color has been changed.  
   - Orange color indicates that the status of line is ‘unregistered’.
4. LINE skip function has been implemented

- When a user presses a LINE button while conversation, the current line will be held automatically and changed to a new line."

1. Multi line option has been implemented.

- primary line can be selected to use on the phone."

1. System can select the phone record the call history or not.
2. A User can make a program button to create a call that is not record call history.
3. Dual registration function operates per each line. (On/Off)
4. Programmable keys for VM transfer & VM forward is available.
5. Exception rule of EOD (End of Digit) on a Digit Map.
6. New language options have been added.  
   - Italian & Russian
7. LLDP feature has been implemented.

**\* Fixed problems**

1. In case of the loudest ring volume, its sound quality was poor. It has been improved.