

## Project Release Bulletin

Project Name:	<b>CompletePBX v.4.6.0</b>	Date:	19-Mar-2015
PID:	CX1-xx, CXR2xxx, CXE2xxx, CXR3xxx, CXE3xxx, CXT3xxx, CXE4000	Number of Pages:	5

### 1. Overview

CompletePBX ver. 4.6.0 features improvements in management and security, as well as an integrated SIP Session Border Controller. It is available only as a 64-bit version. The software images can be installed on all existing IP-PBX models. C/XR1000 compatibility starts with S/N X1046954 and C/XR2000 compatibility starts with S/N X1046564. This is due to incompatibility with the previous Intel D201GLY2 (Celeron) motherboards on those systems.

In addition the updated End Point Manager supports more phone manufacturers and phone models (details below).

### 2. Software Description

Name	Version	Notes
CentOS/Kernel	6.6/kernel-2.6.32-504.8.1.el6.x86_64	Changed
FreePBX	2.11	
Asterisk	11.16	Changed
DAHDI	2.10.0.1-1	
libpri	1.4.14-2	
CompletePBX modules	cpbx-xepm-1.0.19-1 cpbx-syssettings-3.10.8-1 cpbx-branding-1.08.0-1	Changed

	cpbx-faxmaster-3.00.3-1	
<b>freepbx-module-zapauto</b>	0.7.14-1	
<b>Switchboard</b>	FOP 2.27.2	
<b>ccStats Lite (Statistics Reporting)</b>	1.5	
<b>ccStats Pro (Statistics Reporting)</b>	2.0.7	
<b>CompleteSBC components</b>	sems-2.3.1-10 sbc-gui-2.3.1-21 sbc-db-2.3.1-2 sbc-cfg-2.3.1-12 sbc-license-2.0.1-1	

### 3. Bug Fixes

The following bugs have been fixed since the previous officially released CompletePBX v. 4.5.3:

- System Settings module:
  - Changes to the e-mail address in the Intrusion Detection dialog were not applied until either the PBX reboot or manual fail2ban restart. Fixed.
- Endpoint Manager module (EPM):
  - In v.1.0.15 empty values for all telephone configuration parameters were generated, effectively erasing the telephone's default settings. This critical problem was fixed in v.1.0.16.
  - The default Aastra dial plan prevented the telephone from waiting enough time for the next digit to be entered. As result, the telephone generated the call before the user had finished dialing. Fixed in v.1.0.16.
  - It was not possible to define a remote XML phone book for the V71 configuration variant of Yealink telephones. Fixed in v.1.0.19.

- Device mapping did not work correctly when FreePBX was configured for Device/User mode. Fixed in v.1.0.19.

#### **4. Changes**

- All system packages have been updated to the currently available versions.
- CompleteSBC software - a full SIP Session Border Controller software is now integrated into CompletePBX. A demo version, which has been pre-installed in CompletePBX, supports several simultaneous calls for a maximum length of 90 seconds each. Licenses for the commercial version are sold per channel and can be applied electronically. Consult the Xorcom price list for details.
  - The CompleteSBC Web interface is accessible via the new “CompleteSBC” icon on the CompletePBX landing page.
  - Due to security concerns, CompleteSBC rejects all incoming SIP requests on its public interface (port 6075). **The administrator must enable the communication in order to start using CompleteSBC.** See the [CompleteSBC Getting Started](#) document for instructions.
  - It is assumed that communication with remote SIP endpoints will be performed through CompleteSBC. As a result, access to the Asterisk default SIP ports 5060/udp/tcp, 5061/tcp is enabled by the CompletePBX firewall for hosts with the following private IP addresses only:  
10.0.0.0/8, 172.16.0.0/12 and 192.168.0.0/16.
  - CompleteSBC rejects SIP requests that are sent by the SIP endpoints with an Agent-Name that is not defined in the CompleteSBC configuration. The default permitted Agent-Name list contains the Agent-Names of all SIP phones supported by the CompletePBX Endpoint Manager, Zoiper, Asterisk and CompletePBX (‘GHJ’).
  - A new `fail2ban-sbc-config` RPM package has been prepared. The package provides the fail2ban configuration files that are necessary for monitoring the CompleteSBC log files.
- The Webmin interface is not accessible via port 6050/tcp. Instead, the Webmin MySQL management module can now be accessed via the following URL:  
`https://<pbx-ip-address>/mysql`
- A new `res_mwi_blf` Asterisk module has been added. The module allows definition of a BLF button on a SIP phone for monitoring the voice mailbox status.
- The Endpoint Manager module (EPM) has been updated as follows:
  - The following new IP phone manufacturers/models were added:
    - Polycom (see specific models in table below)
    - Escene (see specific models in table below)
    - Hanlong (see specific models in table below)
    - Fanvil X3 and X5 models

SIP phones currently supported in the CompletePBX Endpoint Manager module now include:

Manufacturer	Model
Aastra	480i, 480i CT, 6730i, 6731i, 6735i, 6737i, 6739i, 6751i, 6751i RP, 6753i, 6753i RP, 6755i, 6757i, 6757i CT, 6757i CT RP, 6863i, 6865i, 6867i, 9112i, 9133i, 9143i, 9480i, 9480i CT
Escene	DS102, DS622, ES220N, ES290N, ES292N, ES320N, ES330N, ES410N, ES620N, GS292, GS320, GS330, GS620, HS108, IS710, PS760, US102N, WS290, WS320
Fanvil	C01, C56, C58, C62, C66, F52, X3, X5
Grandstream	DP710, DP715, GPX1100, GPX1105, GPX1160, GPX1165, GXP1200, GXP1400, GXP1405, GXP1450, GXP2000, GXP2010, GXP2020, GXP2100, GXP2110, GXP2120, GXP2124v2, GXP2130, GXP2140, GXP2160, GXP2200, GXP280, GXP285, GXV3140v2, GXV3175v2, GXV3240, GXV3275, HT701, HT702
Polycom	SoundPoint IP320, SoundPoint IP321, SoundPoint IP330, SoundPoint IP331, SoundPoint IP335, SoundPoint IP450, SoundPoint IP550, SoundPoint IP560, SoundPoint IP650, SoundPoint IP670, VVX1500, VVX1500D, VVX300, VVX310, VVX400, VVX410, VVX500, VVX600
snom	300, 320, 360, 370, 710, 715, 720, 760, 821, 870
Xorcom	XP0150G, XP0120P, XP0100P, XP0020
Yealink	T19P, T20P, T21P, T22P, T26P, T28P, T32G, T38G, T41P, T42G, T46G, T48G

**Notes:**

1. Xorcom is continually adding support for additional IP phone models and as a result will be releasing periodic updates to the Endpoint Manager. Feel free to contact us at any time with requests to add specific manufacturers/models. For your convenience you can [use this form](#).
2. Adding new endpoint vendors/models can be done quickly and efficiently via an external utility developed by Xorcom, which can be provided to you upon request.

## Table of Xorcom Rapid Recovery Images

Image Name	Server Model
<b>CPBX-4.6.0-X23-RAID1-64b</b>	CXE2000 (D525 and D2500 CPU based), CXE3000/CXT3000 (Q9550 and i3-2120 CPU based)
<b>CPBX-4.5.3-X1234-64b</b>	CXE4000. Can also be installed on CXR1000 (Atom D425 CPU based), CXR2000 (D525 and D2500 CPU based), CXR3000 (G850, E8400, Q9550 CPU based) if 64bit version is required.

**Note:** At this point there is no software upgrade available for deployed systems.

	Name	Signature	Date	Notes
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CTO	Leonid Fainshtein	Leonid Fainshtein	18-03-15	
CEO	Eran Gal	Eran	19-03-15	