

Release Note QuadroM32x 5.3.13 Edition 2

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1 Introduction

This Release Note describes hardware and software requirements to use with the

QuadroM32x software 5.3.13 Date: July 11, 2012

Additional enhancements, bug fixes and known issues incorporated in this software will be listed as known.

Date: July 20, 2012

2 Requirements

2.1 Hardware requirements

- The software can be used on all QuadroM32x models.
- The model name is written on the back plate of the unit and the model number is on the bottom label.

2.2 Software requirements

Attention: The software upgrade to 5.3.13 can **ONLY** be done from 5.2.47 and higher 5.2 versions. Before updating to 5.3.13 the unit should be updated to 5.2.47 or higher 5.2 version first.

2.3 Supported and Tested SIP phones

Listed below are the Epygi Supported SIP phones with the corresponding firmware versions that are tested and recommended for use with QuadroM32x 5.3.13 SW.

Vendor	Model	Software
snom	300	Application: snom300-SIP 8.4.35
snom	320	Application: snom320-SIP 8.4.35
snom	360	Application: snom360-SIP 8.4.35
snom	370	Application: snom370-SIP 8.4.35
snom	720	Application: snom720-SIP 8.7.2.9
snom	760	Application: snom760-SIP 8.7.2.9
snom	821	Application: snom821-SIP 8.4.35
snom	870	Application: snom870-SIP 8.4.35
snom	MeetingPoint	Application: snomMP-SIP 8.4.35
Aastra	9143i (33i)	Application version: 2.5.2.1010
Aastra	9480i (35i)	Application version: 2.5.2.1010
Aastra	9480iCT (35iCT)	Application version: 2.5.2.1010
Aastra	6753i	Application version: 2.5.2.1010
Aastra	6755i	Application version: 2.5.2.1010
Aastra	6757i	Application version: 2.5.2.1010
Aastra	6757iCT	Application version: 2.5.2.1010
Aastra	6730i	Application version: 2.5.2.1010
Aastra	6731i	Application version: 2.5.2.1010
Aastra	6739i	Application version: 3.0.1.38

Please Note: Any problems and limitations on these SIP phones are described in detail in the Quadro Features on Supported IP Phones document.

Please Note: Quadro IP phones firmware control mechanism will not upgrade snom firmware version from 6.x to 7.x. This should be done manually via snom web site. Once the snom firmware version is 7.x, the Quadro's firmware control will automatically upgrade/downgrade the phone to Epygi's recommended version but not to 6.x.

Listed below are the Epygi Tested SIP phones with the corresponding firmware versions that are tested and recommended for use with QuadroM32x 5.3.13.

Any problems and limitations on these SIP phones are described in detail in the **Quadro Features on Tested Phones** document.

Vendor	Model	Software
Audiocodes	310HD	1.6.0_build_37
Audiocodes	320HD	1.6.0_build_37
Cisco	SPA525G2	7.4.8
Cisco	SPA303	7.4.8
Cisco	SPA501G	7.4.8
Cisco	SPA509G	7.4.8
Polycom	SoundPoint IP 330SIP*	Application: SIP software 3.3.1.0933
Polycom	SoundPoint IP 331SIP*	Application: SIP software 3.3.1.0933
Polycom	SoundPoint IP 335SIP*	Application: SIP software 3.3.1.0933
Polycom	SoundPoint IP 450SIP*	Application: SIP software 3.3.1.0933
Polycom	SoundPoint IP 550SIP*	Application: SIP software 3.3.1.0933
Polycom	SoundPoint IP 650SIP*	Application: SIP software 3.3.1.0933
Polycom	SoundStation IP 5000*	Application: SIP software 3.3.1.0933
Polycom	SoundStation IP 6000*	Application: SIP software 3.3.1.0933
Polycom	VVX 1500*	Application: SIP software 3.3.1.0933
Polycom	KIRK wireless server 300	PCS08
Delveem	KIRK wireless server	DCC00
Polycom	6000	PCS08
Panasonic	KX-TGP550T04	12.17
Panasonic	KX-UT123-B	01.061
Panasonic	KX-UT136-B	01.061
snom	PA1	8.4.32
snom	m9	9.4.7
Grandstream	GXP1400	Program- 1.0.1.83
Grandstream	GXP1405	Program- 1.0.1.83
Grandstream	GXP1450	Program- 1.0.1.83
Grandstream	GXP2000	Program- 1.2.5.3
Grandstream	GXP2100	Program- 1.0.1.83
Grandstream	GXP2110	Program- 1.0.1.83
Grandstream	GXP2120	Program- 1.0.1.83
Grandstream	GXV3140	Program- 1.0.7.3
Grandstream	GXV3175	Program- 1.0.3.22
Grandstream	HT286	Program- 1.1.0.26
Yealink	SIP-T20P	SW version: 9.50.0.50
Yealink	SIP-T22P	SW version: 7.50.0.50
Yealink	SIP-T26P	SW version: 6.50.0.50
Yealink	SIP-T28P	SW version: 2.50.0.50
Yealink	SIP-T32G	SW version: 32.0.0.130
Yealink	SIP-T38G	SW version: 38.0.0.130
Yealink	VP-2009P	22.21.0.40/22.30.0.60
Yealink	VP-530	23.70.0.15

Both mentioned documents are available at <u>www.epygi.com</u> and can be found under the Channel's Portal.

Please Note: In the model's list the Polycom phones with (*) sign are also presented as **Polycom-xx-Pre-3.3.0** due to backward incompatibility of UCSoftware 3.1.1 configuration. It is recommended to use **Pre-3.3.0** models with Application SIP software 3.2.2.0477.

2.4 Interaction with other Quadro SW releases

QuadroISDN or QuadroFXO external PSTN gateways used in the shared mode should have SW 5.1.12 or higher to achieve maximum feature functionality with the QuadroM32x SW 5.3.13.

QuadroFXS 16 Gateway should have SW 5.2.1 or higher for PnP configuration with the QuadroM32x SW 5.3.13.

ActiveX Control SW 5.3.0 or higher should be used with 3pCC functions with the QuadroM32x SW 5.3.13.

Auto Dialer SW 1.0.5 or higher should be used with the Quadro32x SW 5.3.13.

DCC SW 1.8 or higher should be used with the Quadro32x SW 5.3.13.

Quadro SMR system SW 1.9 or higher should be used with the QuadroM32x SW 5.3.13.

To use QuadroM32x SW 5.3.13 with a 3pcc or Click2Dial application the "3pcc/Click2Dial Login Allowed" checkbox should be enabled for each extension(s) using this feature.

3 New Features History

The table below indicates a high-level list of new features that have been added beginning with the most recent QuadroM32x release.

Release	New Features	
5.3.13	Support for the new Epygi Desktop Communication Console (DCC) application (with a license key).	
	The Caller ID based services are improved by adding the presence state of the extension for use with the DCC application.	
	The maximum number of active calls in Find Me/Follow is now configurable. If the number is set to 1 then only one active call will be possible and the next call will go to voice mail. If that number is >1 then the next call will ring the Find Me/Follow phones which are not on a call.	
	Added option for the Auto Attendant Customized Scenario to download the generated script in VXML format.	
	The Call Recording feature is improved to also allow recording for pass-through calls. Added capability to activate Voicemail profile based on caller id and presence state.	
	PnP and auto configuration support for new IP phones: snom 720, snom 760, Yealink SIP T32G, Yealink SIP T38G, Yealink VP 530. The Zero-Out redirection in the Call Queue settings is modified with a new option to	
	redirect the call to the Voice Mail of the extension, or to another destination. Added Collect call feature for calls to E1/T1(CAS R2 MFC and for ISDN PRI/BRI)	
	Enhanced the E1/T1 Diagnostic Tests E1/T1 settings enhanced to add the Redirecting Number for calls that have been forwarded prior to being received by the Quadro. This allows the original Caller Id to be sent in the Redirect number element field and the Caller ID in the Calling Party number.	
	LDAP support for Yealink IP phones.	
5.3.5	The Add Multiple Extensions feature is improved which allows the assignment of the IP Lines to be selected when configuring multiple extensions.	
	A new MS Exchange Server option has been added in the Use External Voice Mail settings for extensions. This allows voice messages to be kept in one universal inbox.	
5.3.3	The Call Park feature has been expanded with a Directed Call Park method. This allows users to define the call park extension they wish to park the call on. There are two methods available: 1) Hold the current call, and then dial the call park extension number; 2) Assign the call park extension to a key on the phone and then, just press the key during an active call. New Call Intercept feature. A new feature code has been added allowing users to dial *94	
	followed by the extension number to intercept an inbound call on another extension. IP Phone Key Assignment Templates are now available to define a set of extensions mapped to keys on IP phones. These templates can be used for multiple IP phones to streamline installation and configuration of multiple phones.	
	The Find Me/Follow Me announcement message is now customizable. Users can remove the message, use the default, define a new recording or use music on hold.	
	Added the option to review and modify the system default Find Me/Follow Me welcome message like other universal extension messages using the admin *75 feature code on the phone.	
	Added the option to review and modify the user's personal Find Me/Follow Me welcome message like other personal greeting messages using the extensions *0 feature code on the phone.	
	Added support for P-Asserted-Identity header field defined in RFC 3325. This is important to retain original caller information even after a call is transferred within the office.	

Release	e New Features	
	The CDR database has been improved adding archiving up to 30 days. Additionally, CDR uploading redundancy mechanisms are added to ensure records are not getting lost during CDR server downtime or network outage.	
	The maximum number of stored CDRs has been increased from 1000 to 10000	
	Statistics gathered from the ACD feature and Find Me/Follow Me have been improved for greater visibility of call flow.	
	A few new options have been added to the GUI based Auto Attendant IVR builder integrated into the Quadro IP PBXs. Repeated message play count, repeated message timeout duration and timeout after welcome message options are now included in the AA IVR builder tool.	
	Auto configuration support for new IP phones: snom m9, Panasonic KX-TGP550T04, KX-UT123-B, KX-UT136-B, Audiocodes 320HD and 310HD.	
	A special configuration page is added for simple direct mapping of E1/T1 DID numbers to extension numbers. The configuration screen is accessible from E1T1 Trunk settings page on CCS trunk types only. This mapping works for both incoming and outgoing E1/T1 calls, and allows for easy streamlined installation for the majority of E1T1 setups.	
	A new option to use RTP streaming channel for playing Hold Music is added to the "Universal Extension Recordings" configuration page. This allows using an external RTP as default Hold Music for all extensions.	
	Intercom settings are improved. Now it will be possible to define whether the phone should make a sound when Intercom is activated. The default is silence.	
	Call conferencing features are enhanced regarding the Moderator Rights Management, conference call terminations options, and the conference statistics.	
	Added support for T.38 faxing on IP lines for use on devices such as an ATA for faxing.	
	The Maximum recording count option has been restored back in the Recording Box Settings.	
	The VoIP carrier wizard is improved which allows creating the outbound routing rules not only by prefix but also by 7 and 10 digit pattern.	
5.2.48	PnP and auto configuration support for Grandstream GXP1400/1405/1450/2100/2110 IP phones.	
	Basic auto configuration support for Polycom KIRK Wireless server 6000 IP phone.	
5.2.47		
5.2.46	Security enhancement. A new security check has been added to prevent an external 3PCC or Click2Dial application from using any of the Quadro features unless specifically authorized from the user's extension settings. The new option (3pcc/Click2Dial Login Allowed) is displayed when doing an edit on the extension and is disabled by default. Please note . If the Quadro extension is currently being used with some 3PCC or	
	Click2Dial application, then this option will need to be enabled after the firmware update or the feature will no longer work. Epygi applications that use 3PCC, such as HotCall and HotKeyCall, do not rely on this setting to be enabled to work.	
	Auto Attendant Customized builder to create Interactive Voice Response (IVR) scenarios from the Quadro GUI.	
	Support for the new Epygi AutoDialer application (with a license key). TDVC and H.263+ codecs support.	
	Language pack support for Polycom IP phones. Polycom phones change the GUI to the installed custom language.	
	Local Admin password management enhanced. The local admin login password for GUI access is alphanumeric and a second numerical password can be entered for accessing	
	settings from the phone handset, such as the Auto Attendant greeting messages.	
	The Administrator password for phones is added as an item in the security audit.	
	Auto configuration support for Cisco SPA303, SPA501G, SPA509G, SPA525G2 phones.	
	PnP and auto configuration support for Grandstream GXP2120 and GXV3175 phones. PnP and auto configuration support for Yealink VP-2009P model flavor.	
5.2.40		

Release	New Features
5.2.39	Support for Video Conferencing (with a license key).
	PnP support for Grandstream GXV3140 video phone
5.2.26	New Quadro System Security Management page added with security diagnostics and a security audit
	Secure system mail allowing to work with TLS or SSL mail servers
	A new option in Call Routing - Local AAA Table: Authentication by PIN code
	Possibility to enable/disable TLS functionality for IP Lines and extensions
	A new option in the extension voice mail settings under the Send new voicemail
	notifications via e-mail, allowing differentiating between fax messages and voicemail messages when deciding whether or not to receive email notifications, with or without
	attachments.
	Admin password management enhanced. The admin login password for GUI access is alphanumeric and a second numerical password can be entered for accessing settings
	from the phone handset, such as the Auto Attendant greeting messages.
	PnP and auto configuration support for snom 821 PnP and auto configuration support for Aastra 6739i phone
	Auto configuration support for Grandstream GXV3140 video phone
	PnP and auto configuration support for Yealink VP-2009 video phone
	Auto configuration support for snom PA1 paging system
	Polycom KIRK Wireless server 300 phone support
	Call recording soft button implementation for Polycom phones
	Downloaded call statistics enhancements to include detailed information regarding the
	used interface for each call (PSTN, ISDN, etc), if call had been forwarded, transferred,
	etc.
	Viewing the Call Statistics on the Quadro GUI has been updated to select the number of records per page
5.2.12	
5.2.10	Full support for Secure RTP (SRTP) to encrypt voice packets.
	Full support for TLS (Transport Layer Security) protocol (RFC 2246) to provide communications privacy for the SIP messaging port over the Internet. The protocol allows client/server applications to communicate in a way that is designed to prevent eavesdropping of the SIP messages.
	HD codecs such as G.722 and G.722.1 are now supported in pass-through mode.
	Security enhancement. Password strength checking has been added in the IP Lines settings table for configuring IP Phones. The system will provide feedback on whether the chosen password is weak. An option is also provided to let the system create a strong, random password. Password strength enforcement can be configured in the hidden menu generalconfig.cgi.
	Security enhancement. Protection against certain SIP DoS attacks has been added by enabling the "SIP IDS" feature in the hidden menu generalconfig.cgi. Enabling this option will automatically block malicious IPs in the firewall.
	Global speed dialing. Configured in Telephony/Call Routing/Global Speed Dial Directory. An Excel .CSV file can be used to upload the entries in the format: Code, Number (e.g. 44, 9726921166). Each entry should be on a new line.
	Emergency Call Interrupt feature in the Caller ID based services. A new feature that will allow specific Caller Ids to be configured so that a call received from one of these
	numbers will immediately disconnect the call in progress and ring the user's extension.

Release	New Features
	System logging enhancement. If a user encounters a problem while on a phone call the pertinent details related to the call can be saved. The user will dial *82 (getting dialtone and dial *82 from the same or a different phone) as soon as the problem occurs. The details will be saved until the next time someone enters *82. When the systemlogs are downloaded it will contain the details from the most recent *82 entry.
	The voicemail to email option can now be configured in Telephony/Voice Mail Common Settings so that the subject of the email contains a user defined text along with selected system variables (e.g. caller id).
	Option to select the format of FAX in Voice Mail sent by email. Defined in Telephony/Voice Mail Common Settings. TIFF or PDF can be used.
	A prompt to the user is provided with the option to save the system configuration prior to executing a firmware update
	Authorized phones database can now be used with a custom auto attendant scenario. This allows callers to bypass authentication in custom auto attendants for user's who have been included in the authorized phone database.
	Configurable auto attendant Callback Response Delay allows users to specify a timeout before the system will try to call back the user. Configurable auto attendant callback activation timeout from the GUI, which allows
	activating automatic Call Back for trusted PSTN and SIP callers not after the one - two rings as previously defined, but during the time frame specified in the GUI. So now users can configure the activation timeout in seconds needed to wait for initiating the callback. This configuration is accessible from the hidden menu "extmanagement.cgi".
	Allow the Automatic Callback feature to be used to call back to the originating caller using the "Auto" call type. User can select "Auto" as the "Callback Call Type", while leaving the "Callback Destination" field empty. This will allow to callback to the caller using the Caller ID for callback.
	Quadro FXS gateway PnP support
	Full VLAN support for IP Phones (multiple subnets/DHCP)
	Support for T38 FAX proxy (from standalone IP Phone in the LAN to outside)
	Yealink IP phone enhancements. PnP and auto configuration support for T20, T22 and T26 models. Advanced button configuration added in the IP Line Settings. A custom logo image can now be displayed.
	Polycom IP phone enhancements. PnP and auto configuration for Polycom IP335 and IP450 models. Advanced button configuration added in the IP Line Settings. Receptionist configuration support for add on modules. Custom data files for Polycom IP phones can now be uploaded from the hidden menu ipphonesdirectory.cgi.
	PnP and auto configuration for Aastra 6730i phone
	PnP and auto configuration for snom 870 and snom MeetingPoint
5.1.38	Ability to configure speed-dial buttons of snom IP phones via IP phone template mechanism
	Telematrix IP phones auto configuration support
	Call Forking (FindMe/FollowMe service)
	Call max duration (disconnecting call after the specified time)
	ACD: zero-out

Release	New Features
	Yealink phone auto configuration
5.1.31	Reason header in SIP CANCEL message (prevents the call from being reported as "missed" if it was picked up by another extension)
	Auto configuration and compatibility for Polycom VVX 1500 video phone
	ACD: agent easy login/logout buttons (including the status indication)
	Automatic logout for HotDesking phones
	Hot Desking capability enabled for remote extensions
	Line appearance added on Remote Extensions
	Park slot segmentation (access list for call parking and retrieve)
	3PCC: capability for 3pcc programmer to modify username
	Barge-in/Whisper/Listening (*93,*92,*91) (with a license key)
	ACD: ACD calls to agent should never reach their voicemail
	DHCP support on VLAN (including IP phones VLAN support)
	Shared Voice Mailbox
	Call routing table debug/tracing tools (new events raised from Routing rule: call failover, fail, success)
	Aastra 6731i autoconfiguration and PnP
	Polycom Soundpoint IP 331 auto configuration and PnP
	3PCC: ability to differentiate call failure reasons (different error codes)
	Added possibility to download the call statistic in CSV format
	Added possibility to play Hold Music to conference participants unless moderator will join the conference
	Added possibility for conference participants to mute/unmute their phones during the conference by pressing pound sign (#)
5.1.21	Added possibility for unregistered user to activate the conference call by entering the password for conference moderator
	Added zero-out option to the ACD call queue
5.1.18	Automatic Call Distribution support (with a license key)
	Call recording (with a license key)
	Music on hold can originate from an audio source that is streaming music or broadcasting live via an IP connection (i.e. internet radio channel).
	The Quadro Call Statistics (CDR) can be automatically sent via email or uploaded to an FTP or TFTP server.

Release	New Features
	While playing back a voice mail the user can rewind (pressing "4") or skip forward (pressing "6"). The amount of seconds to advance or rewind can be optioned for each extension. Default = 3 secs.
	Plug and Play for Polycom IP Phones
	VLAN support
	Click To Dial (CTD) feature updated to allow calls to be initiated from a Website, connecting two parties together via the Quadro. There are two options to make the call: (a) Using the HTTP request to specific URI from a third party WEB page or application; (b) Using a special hidden page on Quadro's WebGUI (in the hidden menu callcontrol.cgi)
	New system events added to track IP phones registration status
	A custom logo image can be displayed on snom 360, 370 and 820 IP Phones
	Speed Dial numbers can now be updated from the phone handset (*76)
	Outgoing Call Blocking can be updated from the phone handset (*79)
	Hot Desking feature. This allows a single phone (IP or analogue phone) to be used by many users. Users can login to the Hot Desking phone (*78) using their extension number, and get all the credentials of their extension until they logout (*78). Virtual extensions can be optioned to provide a simulated ring back. The VE can be assigned to a receptionist phone and this option will now give him/her the option to answer the call before it goes to voice mail.
	Zero-out on Auto Attendant
	The Automatic Call Back option has been expanded to include callback to SIP callers. Previously, this feature was specific to PSTN callers.
	TLS/SSIP support added to send and receive encrypted SIP messages from designated peers
	Video phone support (proxy mode)
	E1 MELCAS digital hookflash feature added for E1 CAS to SIP calls
	The Unconditional Call Forwarding option has been enhanced so that enabling/disabling the feature from the handset can include the designated caller Ids.
	Load balancing for the FXO lines (including FXO gateways)
	Easier for extensions to forward their calls to external numbers without compromising the security of Call Routing entries that have the PBX filtering option enabled. Possibility for a user to designate a bad call in the system logs by dialing *81 after releasing the bad call.
	The Quadro system voice messages can be browsed and updated from a PC using 3PCC
	New features in 3pcc: Using the SIP Dialog package the call states for extensions can be viewed and tracked.
	New features in 3pcc: This feature allows the 3pcc application to subscribe to the Quadro's extension's list and receive an event notification the list has changed.
	New features in 3pcc: The connect function has been added which allows the application to use an extension's authentication parameters (extension number, password). After successful connection establishment an application can manipulate options on the extension.
	New features in 3pcc: Capability to upload the contents of legible configuration files and do the configuration update via 3pCC

Release	New Features		
	An option to "Discard Non-Numeric Symbols" is added in the Call Routing Wizard to delete extra characters that might be received in the caller id.		
	Possibility to append the called number to the caller id using the format <dialednum:range>. This will allow the user to appropriately answer a call based on the number that was dialed.</dialednum:range>		
	snom M3 support		
	snom820 auto-configuration support		
	Ability to download "packages" of CGI's in legible format		
	The configuration templates that the Quadro uses for the IP Phones can now be modified.		
	Ability to remotely access the Auto Attendant and use the admin login menu (*75) to update the AA greeting messages. Previously this login was only accessible from an extension.		
	Capability to configure emergency numbers from the VoIP Carrier Wizard		
5.0.22			
5.0.21	Automatic call forwarding on extensions with Unregistered/Inaccessible IP phones		
5.0.17	Capability to switch via phone the Unconditional Call Forwarding to "ON/OFF" for callers other than "Any/Other callers"		
	Random call hunting		
	Capability to choose desired GUI theme on login		
	Capability to Show/Hide extensions attached to disabled IP lines in the Extensions Management		
	Capability to Show/Hide the disabled IP lines		
	Auto configuration support for the following Linksys IP phone models: SPA941, SPA942, SPA921, SPA922		
	Ability to remove the Display name of the call passing through Routing Table		
	New Auto Attendant or extension adding process simplified		
	Add mechanism for the DND and CallFwd functionality of snom and Aastra IP phones.		
5.0.10	Support for Conference Server (with a license key).		
5.0.8	Ability to record voice messages from the phone handset that are referenced from the Auto Attendant Interactive Voice Response menu. When needed, the recordings can then be easily updated with current messages.		
	Support for MS OCS and MS Exchange configuration with Quadro		
	It is now possible to reboot each IP phone separately from the Quadro's GUI		
	Added receptionist wizard and expansion module support for Grandstream GXP2000		
	Programmable Keys Configuration page added in the IP Line Settings for snom, Aastra, (except for snom300 and Aastra51i, 9112i), Grandstream GXP2000. There is an advanced link on IP Lines page to configure the programmable buttons of each phone models for the "watching" and for the standard services like "DND" and others		

Release	New Features
	Extended flexibility for the Intercom feature: added PBX-Intercom call type in Call Routing wizard and 3 options to enable Intercom service
	A new checkbox called "Check with 3PCC" is added in Call Routing Wizard. When
	checking it will allow 3PCC application to place a hook on calls done through that rule
	Local authentication parameters are shown in Details column of Call Statistics
	"Check/Update Now" option is added in Automatic Firmware Update page
	Added SNMP status and configuration
	The results of system configuration backup & download are reflected in the system events
	snom, Aastra and Grandstream phones automatically get rebooted when the Quadro is rebooted
	Added auto configuration support for the following Polycom IP phone models: Soundpoint IP 330, Soundpoint IP 550 and Soundpoint IP 650
	Intercom and paging support for Grandstream IP phones
	Possibility to hide/show disabled records in the call routing table
	SIP P-Asserted-Identity support for SIP calls to ISDN network
	Caller ID can be used to define the call destination in call routing table
	The "Deny reinvites" option is added for ITSPs that do not support this option.
	Call forwarding configuration through custom Auto Attendant
	Added two stage dialing for FXS calls
	G729/G729a codec type selection is GUI configurable
	Added dependence for Server status and E1/T1 link status
	Language pack support for the IP Phones
	Extended auto configuration capabilities for the Aastra phones. For Aastra phones the "Time-zone" setting has been added to set up this parameter according to Quadro regional settings.
	Changed the Auto Attendant custom scenario to allow multiple WAV files to be uploaded all at once in a single compressed ZIP file.
	Added possibility to change the original display name in the Caller ID
	Added Kickback feature allowing not to lose the call after blind transfer
	Changed the Subscription limitations and made it configurable from generalconfig.cgi hidden page.
4.1.15	
4.1.14	Maximum number of IP lines is 192. 32 lines by default, one expansion of 32 and 2 more expansions of 64 each
4.1.13	Receptionists' call queue
	Extension status monitoring

Release	New Features
	Call interception
	Direct transfer to voicemail
	Simultaneous ring
	Call park
	Call pickup group
	Call paging group
	Plug and play for supported IP phones
	Simplified installation (auto configuration) for tested IP phones
	User rights management
	Support for an external voicemail system
	Silence detection on voicemail messages to truncate extended periods of silence
	QuadroFXO GW and QuadroISDN GW auto configuration
	Proprietary method for remote extension to bypass certain types of NAT (symmetric RTP)
	Status for registered IP lines and remote extensions
	Readable transfer statistics
	New voice mail notifications via e-mail, via phone call and via SMS
	Universal extension recording (music on hold, VM greetings, incoming/outgoing blocking messages)
	Sending unified fax message from mailbox to fax machine
	System events reporting
	Kickback feature on IP lines
	snom and Aastra phones automatically reboot when the Quadro is rebooted
	IP phones do not lose registration after Quadro soft reboot (i.e. if the reboot is not initiated by disconnecting/reconnecting the power or pressing the reset button on the back of the Quadro)
	Possibility to upload and customize system messages (in the uploadownmessages.cgi hidden page)
	Attendant ringing announcement for both default and custom AA scenarios
	Possibility to change the default memory size to be allocated as a temporary storage for unified FAX message (in the extmanagement.cgi hidden page)
	Support for HotCall Add-In for use with Microsoft Outlook
	SIP address resetting function in the Extensions Management for restoring the default SIP settings of extensions
	Possibility to change static, running logos, links and browser mini logo (accessible from loadlogo.cgi hidden page)

Release	New Features
	Possibility to change the signaling procedure for hold process in case the "Send Hold Music to Remote Party" is enabled on the extension
	Voicemail setup wizard to guide new users through the recording of VM greetings
	SIP trunk
	3rd party call control
	Flexible numbering plan for extensions
	Download IP phone FW and reboot of Aastra/snom IP phones
	Download Quadro directory via XML to snom/Aastra phones
	Automatic Quadro FW update
	Easier GUI for forwarding lists Terminate a call from Active Calls page
	Enhanced method for receptionists to watch other extensions, resulting in less networking traffic
	Distinctive ringing on snom and Aastra IP phones
	Play custom message instead of ring back tone on Auto Attendant
	Send EVENTS via SMS
	CDR tags for billing
	Enhanced DNS/DHCP settings
	Daylight savings adjustment
	SMS and E-mail notification when a call to a given extn. has been forwarded
	Change extension password from phone handset
	External access to the voice mailbox of users' extensions.
	Automatic backup and download of Quadro configuration
	QCM centralized licensing included
	SNMP support for event monitoring
	Intercom service (for supported IP phones)
	Paging group service (for supported IP phones)
	Redirection on timeout to the specified address if no action on the AA welcome message
	AA welcome and menu messages enabling/disabling capability
	Call queue for virtual extensions
	Toggling for call routing entries from the handset
	Retrieve timeout configuration for parked call
	SDMF caller ID standard
	Routing rules activity timeout
	Capability to make SIP calls using TCP as a transport protocol
	"Client Code Identification" feature on routing rule (with RADIUS enabled)

Release	New Features
	Paging support with 3rd party devices
	Custom profiles for voice mail settings
	Added silent VM recording option in the Voice Mail Settings
	PSTN call instant callback
	CCS Signaling
	CAS Signaling
	Support of 2-stage dialing for E1/T1

4 Changed Features History

The following table provides a high-level list of changed features that have been changed beginning with the most recent QuadroM32x release.

Release	Changed Features
5.3.13	Call statistics archive mechanism improved to support fast and accurate loading. The maximum number of records in a page is limited to 500. Added "Clear all Records" button. Archiving should run if the maximum record count – 10 000 is reached even if the method of collecting is set to "Archive by time interval".
5.5.15	All preconfigured functions have been removed from Aastras' Programmable Keys Configuration.
	Improved the voice message played when collecting the user logs using feature code *82 Improved the voice message played when user marks the call using feature code *81
	Changed the limitation for Conference ID length. Now it should be possible to create a conference with ID of 20 digit length.
5.3.5	The timeout for the directed Call Park method is changed from two seconds to five seconds. To park a call, put the call on Hold and dial the Call Park extension number. This needs to be done within the five second timeout. If the five second timeout is exceeded, then the Quadro will consider it as an attempt for retrieving the parked call. Once the call is parked, it can also be retrieved by dialing the same Call Park extension. New FW recommendations for snom phones.
	Some of the system voice messages are improved.
	Added the option to delete the uploaded global speed dialing directory Added Kebu.it as a new carrier to the VoIP Carrier Wizard list
5.3.3	The name of Login/Call Relay column in the Extensions Management is changed to External Access , which indicates whether the GUI login, 3pcc/Click2Dial login or Call Relay options are enabled on the extension.
5.2.48	New FW recommendations for snom, Grandstream and Polycom phones.
5.2.47	
	The maximum number of Successful Call Statistics has been increased from 1000 to 10000 when a CF card is installed.
	Added option in ACD configuration to prevent the calls to agent in target group during selected period.
	Added information regarding video codec's under the Details in the call statistics
5.2.46	Added P-asserted identity header in all SIP messages that contain "p-preffered identity" or "Remote-party-ID".
	Changed the SIP parser for proper processing of From: field in header if URI scheme is included.
	The SIP IDS configuration options are available in the SIP IDS settings page.
	The "3pcc/Click2Dial Login Allowed" checkbox is available when editing multiple extensions at the same time.
5.2.40	
	Multiple SMS numbers can be allowed in SMS destination fields, separated by SMS provider
5.2.39	required delimiter (the comma for Clickatell) The SoTel SIP trunk is modified in the VoIP Carrier Wizard
	The Skype service is added in the VoIP Carrier list
	The Call Recording settings page is updated with a second, more simplistic method for
5.2.26	enabling extensions. Either of two modes can be used: Basic view and Advanced view.
	Improvements in Call Recordings FTP retransmission mechanism. Extension Login permission to access the Quadro GUI. The login is disabled by default for all extensions.
	Multiple DHCP subnet support on M32x (two subnets allowed instead of one, making it possible to have about 500 devices getting DHCP from Quadro).

Release	Changed Features
	LMR (Land Mobile Radio) support for QuadroM (E1/T1 to IP gateway capable of taking a
	channelized T1 to Multicast RTP IP streams by DS0 for use in a Radio over IP network)
	The "Send Hold Music to remote IP party" is enabled by default in the Basic services for extensions
	The Developer Logging is enabled by default
	The SIP Server text field is changed to empty by default for auto attendant (00) and two FXS extensions.
	The default for "Maximum recording duration" is changed to 1 hour in the "Recording box settings" and "Call recording settings"
	The Secure RTP options in the Extension Codecs are available when editing multiple extensions at the same time.
5.2.12	
	Changed the behavior of intercom and paging to not interrupt current active call by default
	Intercom option has been changed so that an audible sound is now provided to the called phone to alert the person when the microphone is opened.
5.2.10	Indication of BLF/MWI subscription count and raising an event if the upper limit is reached
	Allowing to have multiple recording sessions regardless of the "max mail/recording duration" setting on the VM/recording box
	FTP retransmission mechanism improvement and manual FTP upload request from WebGUI. Call recordings can be manually uploaded from Web GUI.
	The SIP server value for Broadvox in the VoIP Carrier Wizard was changed
- 1 00	Added an option in the Automatically Download Call Statistic page to choose the download format
5.1.38	The VM-to-email text for FAX mail was changed to be different from the regular voicemail text
	An audible sound to the called phone is provided in case of intercom call
	The common limitation of 300 as the maximum recordings count for recording boxes has been eliminated. Now the call recording count is configurable per recording box extension, the available range is of 50-2000 recordings
5.1.31	The configuration for the call recording is redesigned
	After using the feature code *79 (for outgoing call blocking) from phone handset to block a dialed number the "Send Message to Caller Party " option should be enabled automatically
	The limitation for the number of entries in the local AAA table has been eliminated
	Added new VoIP carriers to the VoIP Carrier Wizard list (Acf2i and babyTEL)
	The "Automatic Firmware Update" link is moved from "Configuration Management" to "Firmware update" page
5.1.21	The auto-configuration and PnP support are added for Polycom SoundStation IP 6000
	The auto-configuration support is added for Yealink T28 IP phone
	Changed the view of advanced configuration page for the snom 820 IP phone
5.1.18	Added new VoIP carriers to the VoIP Carrier Wizard list
	Adding extensions to Paging and Call Pickup groups has been simplified

Release	Changed Features
	The expiration date for trial keys are shown under the Features menu
	The Call Routing Management option for the Auto Attendant has been changed from *7 to *77. This option allows entries in the Call Routing Table to be remotely enabled/disabled.
	Possibility to multi-edit the some of the extension's Voice Mailbox Settings
	A prefix is added to the Caller ID to identify calls returned by the Kickback option
	It is possible to upload the Call Queue messages as Universal Extension Recordings
5.0.22	
5.0.21	
5.0.17	In the System-> IP routing Configuration the name of "VPN Routes" changed to "PPTP/L2TP Routes
	Adjusted timezone parameters for Venezuela according to new standards
5.0.10	The Fail Reason in the call routing changed as group of check boxes instead of drop down list
	Added status info in 3PCC settings
	Added scrollbars in the tables for Call Routing and Extension Management pages
	For snom phones, the "Call join on Xfer (2 calls)" setting is configurable in the phone GUI
5.0.8	Adjusted timezone parameters for Venezuela according to new standards
5.0.8	Added status info in 3PCC settings
	Added scrollbars in the tables for Call Routing and Extension Management pages
	Changed default attendant name from 000 to 00
	Added PSTN Access Code and Emergency Number page in System Configuration Wizard.
4.1.15	Removed PSTN Access Code from External PSTN Gateways page
	Changed default E1/T1 mode to User Mode
	Changed default VM indication for IP Lines from Tone to Lamp and for 2 FXS Lines from Lamp to Tone.
4.1.14	FXS settings(filters) changes for Brazil
4.1.13	

5 Fixed Issues

Issues fixed since version 5.3.5:

The V	oice Mail playing order is incorrect in automatically mode	17479
D:	When accessing the voice mailbox the newly received (unread) voice	mails should
	play first, after all received voice mails started from the first received	
C:	However in the current FW version the voice mails in mailbox are play	ying in order
	they are received.	
An iss	sue with adding audio files for ACD custom scenario	16817
D:	Scenario:	
	- add an audio file with special characters in name (with slashes, das	
	brackets, etc.) for Custom Queue Messages in the ACD Customiz	e queue
	scenario;	
_	- The added file is shown as normally uploaded on the GUI.	
C:	Actually the newly added file isn't being uploaded in the system. So	
	ACD with Customize Queue Scenario will hear nothing for that messa	
	blem with "Remove VM On Send" option in Voice mail settings	16432
D:	If this option is enabled new VMs are removed from the extension m	
	if sending the new VM via e-mail fails because the mail server is unre	eachable or
0	mail address is incorrect	
C:		47045
	vay audio in a scenario when Holding/Retrieving the PSTN call	17245
D:	Scenario:	
	 ext. A is configured to watch the ext. B PSTN (E1/T1) call comes to ext. B and the functional key of the ext. 	xt A chowc
	the ringing state for ext. B	XI. A SHOWS
	3. ext. A presses the functional key and intercepts the call to ext. B	
	4. ext. A holds the call	
	5. ext. A retrieves the call	
C:	Result: ext. A hears the PSTN, but the PSTN doesn't hear the ext. A	
An iss	sue with "Call to the number dialed" action in Auto Attendant Cust	omized
Scena	rio	17510
D:	Customized Scenario with settings:	
	- Both Welcome and Recurring messages are configured for Customized	zed
	Scenario;	
	- The User Input is configured with "Any input other than in the list a	bove" with
	action "Call to the number dialed".	
C:	This scenario doesn't work if the number is dialing during welcome m	
	The call just dropped in this case. This problem concerns both menu	and
	submenus.	

6 Known Issues

- D: Description
- C: Consequences
- Fix: How to avoid the situation, or what to do in case the situation has occurred.

It is im	possible to login as 'admin' after making changes on "Advanced PPP
Setting	s" page 9549
D:	You cannot login to the Quadro as 'admin' after making changes on the
	"Advanced PPP Settings" page. You can only login as 'user'.
C:	No consequences
Fix:	Restart the Quadro to resolve this.
	y audio with IPSec VPN in the scenario "Gateway<->Remote Subnet"
one wa	9327
D:	Scenario:
	1. Establish an IP-Sec connection between two Quadros (connection type is
	"Quadro <-> Remote Subnet").
	2. Make an SIP call from Quadro1 (gateway) to Quadro2 (remote subnet).
C:	The call is established, but there is no audio in Quadro1. The same result will
	occur when calling from Quadro2 to Quadro1.
	A direct call cannot be established at all.
Fix:	Add an additional "Quadro <> Remote Gateway" tunnel in IPSec configuration.
	With two tunnels: "Quadro <> Remote Gateway", "Quadro <> Remote Subnet"
	in IPSec VPN configuration this issue will resolved.
Call inte	erception fails in a specific scenario with a watched extension in the many
	on ring list 9399
D:	Scenario:
	1. Use snom360 for receptionist extension (for example, extension #31),
	2. Configure Many Extension Ringing on ext. #31 with extensions #31 and
	#12 in the MER list,
	3. Configure extensions #11 and #12 as watched extensions,
	4. Make a call to extension #31,
	5. The phones for extensions # 31 and #12 will start ringing.
	6. The programmable key for the ext. #12 is flashing on the receptionist's ext.
	#31,
	7. Pressing that key the receptionist stops ringing, but ext. #12 is still ringing,
	8. Hang-up the phone for that caller's extension.
C:	Call interception on the receptionist's line fails. The light for ext. #11 will stay ON
	on the ext. #31.
Fix:	This problem is specific for snom phones only. When using a snom phone, calls
	should be answered on your own extension and not the watched extension.
	,
An issu	e with configuring IP phones as local extensions for Quadro IP PBX
	13471
D:	Plug and Play and Auto configuration of IP phones is impossible with the
	modified "HTTP Server Port" on the Quadro.
C:	
Fix:	Add the changed http port value in the "option tftp-server-name" row
	("dhcpd.conf.lan" file) for each IP phone. Example: "option tftp-server-name
	"http://172.30.38.1:8080". Will be fixed in the future releases.
Some of	f the Quadro voice mail services could be unavailable if external Voice Mail
	e for extension 12190
D:	In this scenario some of the features, for example Zero-out and entering the VMS
<u>ں</u>	In this scenario some of the reatures, for example zero-out and entering the VMS

	directly with option #1" will not work
C:	directly with option "1" will not work.
	This is normal, as these features are the Quadrals internal VMC sustain features.
Fix:	This is normal, as those features are the Quadro's internal VMS system features. If external VMS system is used, user gets the features of that external system.
	Aastra, Grandstream and Thomson IP phones may disconnect if you press " button for a long time (60 min)
D:	
C:	
Fix:	Under investigation, will be fixed in the future releases.
Aastra	a IP phone is not ringing when it is used in many extensions ringing list 13830
	Scenario:
	1. Many extension ringing is enabled on a virtual extension with an Aastra phon in the list
	2. Distinctive Ringing is enabled on that virtual extension with Nickname that contains space
C:	When a call with no Caller ID comes to that extension, the Aastra phone in many extensions ringing list does not ring.
Fix:	The problem is solved if there is a Caller ID available on the incoming call or if the Nickname doesn't contain spaces. This problem is limited to Aastra IP phones only.
An iss	ue with configuring Aastra IP phones as local extensions for Quadro IP PBX 13802
D:	After changing the LAN IP address for the Quadro the 480i, 9133i and 55i Aastra phones with currently recommended 1.4.1.2000 firmware are not registering after restart.
C:	
Fix:	They must be factory reset to register again. Under investigation. Will be fixed in the future FW versions for Aastra phones.
An iss	ue with distinctive ringing on the snom, Aastra and GrandStream IP phones 1151
D:	snom, Aastra and GrandStream phones ring only once if the distinctive ringing is enabled with the "winter" ringing pattern.
C:	No consequences
Fix:	Use other ringing patterns for distinctive ringing on snom, Aastra and GrandStream IP phones.
Call Ir	nterception doesn't work on GrandStream GXP2000 configured as a
Juni	iterception doesn't work on Grandstream GXP2000 configured as a
recept	
recept D:	
recept D: C:	
recept D: C: Fix:	tionist, when extensions are watched on expansion module 1479 Use basic 7 keys instead of expansion module. Will be fixed in the future releases. g and intercom services do not work on the GrandStream BT100 IP phone
recept D: C: Fix: Paging D:	tionist, when extensions are watched on expansion module 1479 Use basic 7 keys instead of expansion module. Will be fixed in the future releases. g and intercom services do not work on the GrandStream BT100 IP phone
recept D: C: Fix: Paging D: C:	tionist, when extensions are watched on expansion module 1479 Use basic 7 keys instead of expansion module. Will be fixed in the future releases. g and intercom services do not work on the GrandStream BT100 IP phone
recept D: C: Fix: Paging D: C:	tionist, when extensions are watched on expansion module 1479 Use basic 7 keys instead of expansion module. Will be fixed in the future releases. g and intercom services do not work on the GrandStream BT100 IP phone
recept D: C: Fix: Paging D: D: C: Fix: IP pho	tionist, when extensions are watched on expansion module 1479 Use basic 7 keys instead of expansion module. Will be fixed in the future releases. g and intercom services do not work on the GrandStream BT100 IP phone 1490 Currently BT100 has no support for paging/intercom.
recept D: C: Fix: Paging D: D: C: Fix: IP pho	tionist, when extensions are watched on expansion module 1479 Use basic 7 keys instead of expansion module. Will be fixed in the future releases. g and intercom services do not work on the GrandStream BT100 IP phone 1490 Currently BT100 has no support for paging/intercom. The doesn't go back to the normally idle state automatically when the ling had been started via the Record button and the call was released 1572 The "Recording started" message remains on the phone screen after one of the
recept D: C: Fix: Paging D: C: C: Fix: IP pho record	tionist, when extensions are watched on expansion module 1479 Use basic 7 keys instead of expansion module. Will be fixed in the future releases. g and intercom services do not work on the GrandStream BT100 IP phone 1490 Currently BT100 has no support for paging/intercom. one doesn't go back to the normally idle state automatically when the ling had been started via the Record button and the call was released 1572

	the future releases.
It is no	t possible to pickup (via pickup group) the call to extension with
	/FollowMe enabled 15942
D:	
C:	
Fix:	Will be fixed in the next releases.
	nanging Quadro LAN IP configuration (IP address or subnet mask) IP
	lose registration and become unusable 16037
D:	
C:	
Fix:	After changing Quadro LAN IP configuration first reboot the Quadro then reboot the IP phones. Will be fixed in the next release.
MAC ad	dress recognition problem in the FXS Gateway Management" page 16468
D:	In the page Line Settings-> IP Line Settings->FXS Gateway Management, if FXS Gateway is added manually, the system can't recognize MAC address of FXS Gateway entered in uppercase.
C:	As a result the "Edit" and "Reboot" functional buttons become unusable and then it is not possible to edit existing records or reboot the registered FXS Gateways.
Fix:	Enter the MAC address in lowercase. Will be fixed in the next releases.
A probl	em with incoming Secure RTP call in a specific scenario 16533
D:	When incoming Secure RTP call is connecting to the destination via Call Routing table, Quadro always tries to connect it as an un-secure call and the call is being dropped due to the media parameters incompatibility.
C:	diopped due to the media parameters incompatibility.
<u>C.</u> Fix:	Will be fixed in the next releases.
	e with wrongly displayed "Start Recording" message in the Active Calls 16184
D:	The recording type is set to "start automatically"; the number of allowed parallel call recordings is exhausted, therefore the recording for the next call cannot be started, but the "Start Recording" is wrongly shown in the Active Calls page.
C:	
Fix:	Will be fixed in the next releases.
Find me	e/follow me doesn't work for incoming Secure RTP call 16683
D:	Though the call came with SRTP option the FM/FM is making unsecure calls
C:	As a result the call isn't established
Fix:	Will be fixed in the next releases.
ACD be	havior becomes incorrect in case of troubles with 3pcc connection to an
applica	
D:	It affects to ACD calls
C:	
Fix:	Will be fixed in the next release.
	figuration page for Expansion Module is missing when configuring Yealink T26 as receptionist phones 16971
D:	In Receptionist Management wizard the Expansion module configuration pages
-	are not available for Yealink T28 and T26 phones.
C:	
Fix:	Will be fixed in the next release.
	e with Intercom service on snom 8xx phones 17282
D:	When the snom phone of 8xx series (tested with snom phones 821, 870 running
2.	FW version's 8.4.32, 8.4.33) have some watching configured for it's functional keys and the status of the watching resource is changed (e.g. the watching phone receives or makes a call), immediately the next intercom call to the snom phone doesn't activate the intercom but continuously ring the phone.

I extension, the snom 16784 Jser Login or by PIN O Quadro Auto
Jser Login or by PIN O Quadro Auto
Jser Login or by PIN O Quadro Auto
O Quadro Auto
17340
't be parked again.
t shown in call
17404
ne call leg after call
caller is terminating
ed in the next releases
cess to Shared
nging configuration 16635
extensions configured
extensions configured
xx" option is not listed
onfiguration.
ink in the Voice Mailbox
"Add Multiple
17529
r generating multiple
0 0 1
nerating multiple
17538

7 Upgrading Instructions

7.1 Technical Advisory

Attention: For manually configured IP phones, it is now required to have the **SIP Registration Timeout** parameter set to 120 seconds or more on your IP phone. Values less than 120 seconds will not be accepted by the Quadro and will cause the IP phone registration failure on the Quadro.

7.2 Quadro SW requirements for upgrading to 5.3

Attention: The software upgrade to 5.3 can **ONLY** be done from 5.2.47 and higher 5.2 versions. Before updating to 5.3 the unit should be updated to 5.2.47 or higher 5.2 version first.

7.3 General hints

It is recommended to execute the update by downloading the software first to a PC located in the LAN side of the Quadro and perform the firmware update from the LAN side. This is to ensure that the Internet connection will not affect the upgrade process.

In general, the configuration of a system will remain after the software update. Remember that some data is lost during upgrade:

• Call Statistics (only when embedded memory storage is used)

Workaround - to save the existing call statistics, download it to the PC from Call Statistics-Statistics Settings before performing the firmware update. It is also recommended to use an external Compact flash memory to keep the call statistics safe.

- Voice mails (only when embedded memory storage is used) Workaround – save the recorded voice mails from the Voice Mailbox before performing the firmware update. It is also recommended to use an external Compact flash memory to keep the voice mails safe.
- Call recordings (only when embedded memory storage is used)

Workaround – save the recorded calls from the Recordings Box before performing the firmware update or use the recorded calls automatically upload to the FTP server option. It is also recommended to use an external Compact flash memory to keep the voice mails safe.

• All custom voice greetings (only when embedded memory storage is used)

Workaround – backup and download all configuration and voice data to a PC. It is also recommended to use an external Compact flash memory to keep the custom voice messages safe.

• All custom recordings for the custom Auto Attendant (only when embedded memory storage is used)

Workaround – backup and download all configuration and voice data to a PC. It is also recommended to use an external Compact flash memory to keep the custom recordings safe.

- Pending events (only when embedded memory storage is used)
- Transfer statistics for the network
- DHCP leases

The following steps describe how to correctly perform the firmware update:

- Save the current configuration by doing a Backup and Download of all config and voice data (System->Configuration Management->Backup and download all config and voice data).
- **2.** Perform the Firmware Update.
- 3. Is there a Compact Flash memory card installed?
 - Yes- No further action is required
 - No- Restore the configuration that was saved in Step 1 (System -> Configuration Management -> Upload and Restore all config and voice data). This is necessary to restore the extension custom voice messages and the custom Auto Attendant messages.

Attention: Always power down the Quadro before inserting/removing any Compact Flash card. The largest recommended Compact Flash card is 8mb.

7.4 Limitations and restrictions

- The memory used by "DSP Capture", "Call Capture" and "Network Capture" hidden pages is limited to 3 MB. This will put a limitation on the duration of captured file
- In case if voice mail recording codec is other than PCMU, the maximum length of VM sent by email is limited to 3 minutes
- The number of VMs in the mailbox for one extension is limited to 300
- Use Session Timer in IP Line Settings is deselected by default