



# Release Notes for QXE1T1 6.3.14, Edition 1

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## 1 Introduction

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This Release Notes describes hardware and firmware requirements to use with the

**QXE1T1 firmware 6.3.14 Date: May 20, 2020**

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

Date: May 25, 2020

## 2 Requirements

### 2.1 Hardware Requirements

- This firmware (FW) can be used on QXE1T1 model only.
- The model name is written on the back plate of the unit and the model number is on the bottom label.

### 2.2 Firmware Requirements

**Attention:** The firmware upgrade to 6.3.14 can **ONLY** be done from 6.0.2 and higher versions.

### 2.3 Interaction with Other Epygi Software Releases

To achieve maximum compatibility with QXE1T1 FW 6.3.14, use the latest SW and FW versions:

- QX20, QX50, QX200, QX500, QX2000, QX3000, QXISDN4+ or ecQX configured in the PSTN lines sharing (master-slave) mode with QXE1T1 should be installed with 6.3.14 or higher FW version.
- QX-Quadro Configuration Console (QCC) SW 2.5 or higher should be used.
- Epygi Media Streamer (EMS) SW 2.4 or higher should be used.

## 3 New Features

The table below indicates a high-level list of new features that have been added beginning with the most recent QXE1T1 FW release.

Release	New Features
6.3.14	Added a new <b>Use Extension Settings</b> configuration option in the call routing rules with destination call type as E1/T1. This is done to resolve the authorization issue specific for the scenarios when the incoming SIP call to QXE1T1 should be forwarded out through the E1/T1 interface. The extension settings are used for passing authorization in case if QXE1T1 gateway sends re-invite to the SIP provider before forwarding the FAX message through the E1/T1.
	Added a new <b>Show on login page</b> option in the <b>Event Setting</b> allowing to show the selected events on the QX login page.
	Added support for users to be able to change the system default SSL/TLS certificate with their own. This will give users ability to change the system default SSL/TLS certificates, namely the Certificate Authority, Certificate, Private Key with their own from the new GUI page.
	Added support for the OPUS codec.
	Added a new event: " <b>ecMON connection failure</b> ". The system triggers this event if ecMON connection is enabled, but the system cannot connect to ecMON after a few tries.
	Added support for FW update, configuration backup upload & restore from ecMON.
6.2.35	Added support for Two-Factor Authentication (2FA).
	Added support for having remote login access to QX devices through the cloud based ecMON application. This will allow remote access even to QX units behind a firewall and having a private IP.
	Added support for sending random outbound caller ID. An outbound caller ID will be randomly chosen from the list of caller IDs defined in the Call Routing entry for the outbound call.
	Added FAN temperature diagnostics.
6.2.23	

## 4 Changed Features

The table below provides a high-level list of changed features that have been changed beginning with the most recent QXE1T1 FW release.

Release	Changed Features
6.3.14	Increased the queues sizes for SIP local messages.
	Increased the size for URL fields in the Firewall configuration.
	Support to add FQDN-s in the SIP IDS Exceptions. This will give users ability to add also FQDN-s in the SIP IDS Exceptions, besides the trusted IP addresses.
	SIP IDS GUI and functionality has been redesigned. See the appropriate documentation for the details.
	Added the <b>Actions</b> dropdown menu under the <b>Destination Number Pattern</b> column for the Call Routing Table. In addition to the existing Edit icon, the Move Up, Move Down, Move To, Duplicate, Enable, Disable, and Delete options are available. This significantly reduces the necessity of scrolling when working with routing rules.
	The status of the " <b>Force Hold Music</b> " option in the <code>generalconfig.cgi</code> is changed to " <b>enabled</b> " by default.
	The method of the configuration restore from the ecMON has been changed. The network related configuration files on "configuration restore" from ecMON do not changed.
	The SIP proxy server has been changed in the <b>VoIP Carrier Wizard</b> from the <code>link.voipvoice.it</code> to <code>user.voipvoice.it</code> for the ITSP <code>voipvoice.it</code> .
	IP Phones support by license key has been increased from <b>48</b> IP Lines to <b>200</b> .
	The value for TTL (Time to Live) setting is changed to <b>64</b> . The <b>Telemetry</b> page is renamed to <b>ecMON</b> on the QX WEB GUI.
6.2.35	The <b>Stun Polling Interval</b> parameters have been adjusted. Added two extra parameters for the Polling Interval option: 10 and 20 minutes. The default value is still set to 1 hour.
	The <b>VLAN interface</b> is added in the Network Capture settings. An option in the <code>robustnetwork.cgi</code> hidden page was added to enable/disable the Network Freeze Detection feature. This feature, which is disabled by default, designed to detect the network interface(s) freezing and restart the interface(s) if such problem is happening.
6.2.23	

## 5 Fixed Issues

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Issues fixed since version 6.2.35:

T: Title  
D: Description

20557	T:	CAS user agent may crash on incoming call in case of E&M FGD signaling
	D:	CAS user agent crash in case of incoming calls with empty caller ID.
20464	T:	An issue in "PSTN Line Sharing" mechanism
	D:	QX IP PBX and QX gateway configured in "PSTN Line Sharing" mode. A call routing rule to make a call using "Shared Lines" with configured local AAA authentication is configured. When QX Gateway is rebooted the routing rule will stop working.

## 6 Known Issues

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

20707	T:	Unable to make call capture (using Active Calls links) for the calls from SIP/PBX to E1T1
	D:	
	C:	
	Fix:	Will be fixed in future release.
20398	T:	Call History Archive – Archive by Record Count doesn't work for options 2000 and 3000
	D:	
	C:	
	Fix:	Workaround: Use the option 1000. Will be fixed in future release.

## 7 General Hints

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### 7.1 Technical Advisory

Some system information (Call History and Pending Events) may be lost when QXE1T1 is powered down. You may maximum lose the portion of the above-mentioned system information, which occurred during last hour before the QX is powered down. It's recommended to enable **Call History – Archiving** to minimize the loss of Call History.

### 7.2 Firmware Update

It is recommended to execute the update by downloading the firmware first to a PC located in the LAN side of the QXE1T1 and perform the firmware update from the LAN side. This is to ensure that the Internet connection will not affect the upgrade process.

**Attention:** It is recommended to back up the configuration for **emergency purposes** prior to upgrading the firmware. You can do that from **Maintenance→Backup/Restore→Backup and download current Configuration** page. The current configuration will remain after the firmware update. Moreover, all custom messages and call history will be saved during the upgrade.

To perform the manual firmware update:

1. Go to the **Maintenance→Firmware→Manual Firmware Update** page.
2. Click the **Download Configuration** link to back up the current configuration, if needed.
3. Click **Choose File** button to browse for **image.bin** file.
4. Click **Save** to start uploading the file.
5. Click **Yes** to proceed the firmware upgrade.

**Note:** The update process takes about **5** minutes. Normal operation will be stopped during that time.

### 7.3 Limitations and Restrictions

- The **Network Capture** size is limited to **24 MB**. This will put a limitation on the duration of captured file.
- The **Call Capture** duration is limited to **160** seconds.
- The **DSP Capture** duration is limited to **160** seconds.