

# Release Note QuadroM-E1T1 5.0.8, Edition 2

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## 1 Introduction

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The following release notes describe hardware and software requirements to use the

### **QuadroM-E1T1 software 5.0.8 Date: March 20, 2008**

Enhancements, bug fixes and known issues incorporated in this software will also be listed.

Date: March 25, 2008

## 2 Requirements

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### 2.1 Hardware requirements

The software can be used on all QuadroM-E1T1 models:

The model name is written on the back plate of the unit.

### 2.2 Software requirements

Software upgrade can be made without issues from software versions higher than **4.1.10**.

### 3 New Features History

The table below indicates a high-level list of new features that have been added beginning with the most recent QuadroM-E1T1 release.

| Release          | New Features  |
|------------------|---|
| 5.0.8            | Added VPN support   |
|                  | DSP counts are shown in the Hardware Status page  |
|                  | Allow E1/T1 mixed configuration for dual units with DSP card (SASY-MIDI-0101-2200 in SKU-QM-0004). In case of mixed E1/T1 configuration the user will need to deselect the "Enable TDM Pass Through" checkbox from <code>tdmpassthrough.cgi</code> hidden page and reboot the unit.<br>Available limitations: both E1/T1 trunks should be configured either in CAS or CCS signaling mode. |
|                  | Added the possibility to block future calls without disconnecting the existing calls. The blocking can be activated from E1/T1 Settings page by disabling E1/T1 timeslots for the calls from SIP to ISDN PRI and for the calls from ISDN PRI.   |
|                  | Added possibility to modify Caller ID based on the field "Inbound Caller Pattern"   |
|                  | Added TDM switch support  |
|                  | G729/G729a codec type selection is GUI configurable (in the <code>codecsconfig.cgi</code> hidden page)  |
|                  | Added dependence for Server status and E1/T1 link status  |
| 4.1.30 (QuadroM) | Added support of P-Asserted-Identity header field (RFC 3325)  |
|                  | Added possibility to configure the DTMF digit/pause durations from GUI  |
| 4.1.22 (QuadroM) | Added possibility to change static, running logos, links and browser mini logo (accessible at <code>loadlogo.cgi</code> hidden page)  |
| 4.1.18 (QuadroM) | Added dual E1/T1 support.<br><b>Limitations for using Dual E1/T1:</b><br>1. Impossible to configure the first E1/T1 interface to E1 mode and the second to T1 mode or vice versa<br>2. Impossible to configure the first E1/T1 interface to CAS mode and the second to CCS mode and vice versa  |
| 4.1.17 (QuadroM) | SIP Address Resetting function in the Extensions Management for restoring the default SIP settings of extensions  |
| 4.1.12 (QuadroM) | Support for 30 simultaneous calls with G.729 codec  |
| 3.2.1            | Interdigit service for E1/T1 CAS  |
| 3.1.15           | "Backup & Automatically download all config & voice data" feature via E-MAIL, FTP, TFTP.  |
|                  | E1/T1 settings to legible configuration file for editing.   |
|                  | Hold music options.   |
|                  | CallBack feature for E1/T1 CAS/CCS signaling.   |
|                  | Support for keypad buttons #, *, A, B, C, D for E1/T1 CAS signaling.  |

| Release       | New Features   |                                       |
|---------------|--|---------------------------------------|
|               | "On Channel Selection" option in CAS signalling wizard for "Voice Establishment Procedure".                      |                                       |
|               | Alternative Disconnection Mode checkbox for E1/T1 CAS User/Network mode.   |                                       |
|               | System Remote Logging.   |                                       |
| <b>3.1.7</b>  | SNMP support for event monitoring.   |                                       |
|               | Centralized Management.  |                                       |
|               | E1/T1 FGD (Feature Group-D) signaling type.  |                                       |
|               | Diagnostic call loopback mode for E1/T1.   |                                       |
|               | TOS for SIP.   |                                       |
|               | Voice transcoding on QuadroE1T1.   |                                       |
|               | No Answer Disconnect Timer For E1/T1 CCS Network mode.   |                                       |
| <b>3.1.7</b>  | Implemented mapping of ISDN release reason to SIP response and SIP response to ISDN release reason.              |                                       |
|               | r2settings.cgi hidden page to customize E1 CAS R2 Compelled settings.  |                                       |
|               | Activity timeout in call routing rule for Call Type SIP, H323, IP-PSTN.  |                                       |
|               | Implemented E1 CAS R2 MF in Network mode.  |                                       |
| <b>3.0.49</b> | Collect Call service for E1 CAS R2 Brazil.   |                                       |
|               | E1 CAS R2 for country Mexico.  |                                       |
|               | B groups partly enabled for E1 CAS R2  |                                       |
|               | The r2tones.cgi hidden page moved to E1 R2 Advanced settings page to be able to change the following parameters: | ANI Request transmit {from A1 to A15} |
|               |  | ANI Request receive {from A1 to A15}  |
| <b>3.0.49</b> | "Generate Progress Tone to PSTN/PBX " checkbox for ISDN PRI.   |                                       |
|               | Display Name recognition for PRI 5ess switch type when it is being delivered in the Facility Message.            |                                       |
|               | Capability of forcing its own list of preferred codecs for inbound calls.  |                                       |
|               | Several AAA combinations for accounting.   |                                       |
|               | Increased SIP username field length from 20 to 32.   |                                       |

## 4 Changed Features History

The following table provides a high-level list of new features that have been changed beginning with the most recent QuadroM-E1T1 release.

| Release          | Changed Features   |
|------------------|--|
| 5.0.8            | Support for P-Asserted-Identity header field (RFC 3325) implemented fully                        |
| 4.1.30 (QuadroM) |  |
| 4.1.22 (QuadroM) |  |
| 4.1.18 (QuadroM) |  |
| 4.1.17 (QuadroM) |  |
| 4.1.12 (QuadroM) | Two new IP-PSTN providers in the "VoIP Carrier Wizard" list (AGN and Netlogic)                   |
| 3.2.4            | Added country specific advanced Answer/Busy signal(s) for E1 CAS R2 Compelled signalling         |
| 3.2.1            | DSP capture simplified.  |
| 3.1.15           | Removed Overlap Mode functionality for ISDN Switch Types 5ESS, DMS100.                           |
|                  | Echo Tail default value changed from 128 to 64.  |
| 3.1.7            | E1 CAS R2 default settings for Paraguay, Peru, Uruguay, Venezuela.                               |
| 3.0.49           | Channel Selection Ordering for E1/T1 CAS outgoing calls.   |
|                  | ISDN PRI Network mode for sending Dial tone in Overlap mode.                                     |
|                  | For ISDN service do not send STATUS message when PROGRESS message is coming after ALERT message. |
|                  | Changed ISDN PRI DMS100 Switch type functionality.   |

## 5 Fixed issues

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Issues fixed since version 4.1.30:

|   |                 |              |
|---|-----------------|--------------|
| <b>QuadroM-E1/T1 may drop calls during system logs download</b> |                 | <b>14284</b> |
| D:  |                 |              |
| C:  |                 |              |
| <b>E1 CAS R2 outgoing call problem in Mexico</b>                |                 | <b>14275</b> |
| D:  |                 |              |
| C:  | Call disconnect |              |
| <b>Voice loopback does not work on the FXS Line</b>             |                 | <b>12103</b> |
| D:  |                 |              |
| C:  |                 |              |

## 6 Known Issues

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D: Description

C: Consequences

Fix: What to do to avoid the situation, or what to do in case the situation has occurred.

|  |   |              |
|--|---|--------------|
| <b>Problem with the E1/T1 Diagnostics</b>  |   | <b>11922</b> |
| D:   | E1/T1 diagnostics does not provide correct values for the Rx/Tx buffers.  |              |
| C:   |   |              |
| Fix:   | Under investigation, will be fixed in the future releases.  |              |
| <b>It is recommended to restart the Quadro after Interface Type change for the E1/T1 trunk</b> |   | <b>12795</b> |
| D:   | Scenario:<br><ol style="list-style-type: none"> <li>1. Go to Telephony – E1/T1 Settings, select a Trunk to edit</li> <li>2. Change the Interface type from "User" to "Network" or vice versa</li> </ol> |              |
| C:   | In very rare cases all trunks may become unusable until Quadro is rebooted.   |              |
| Fix:   | Restart the Quadro after interface change.<br>Under investigation, will be fixed in the future releases.  |              |
| <b>Unable to capture E1/T1 interfaces</b>  |   | <b>14221</b> |
| D:   | There is a silence in the files instead of the captured DSP packets.  |              |
| C:   |   |              |
| Fix:   | Under investigation, will be fixed in the future releases.  |              |
| <b>It is possible to create a VPN Roadwarrior connection without specifying a "Remote ID"</b>  |   | <b>14168</b> |
| D:   |   |              |
| C:   |   |              |
| Fix:   | Under investigation, will be fixed in the future releases.  |              |

## 7 Upgrading Instructions

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### 7.1 General hints

- It is recommended to execute the update by downloading the software first to a PC located in the LAN side of the unit and perform the firmware update from the LAN side. This is to make sure that problems with the Internet connection do not affect the upgrade process.
- Additionally, it is recommended to make a backup of the configuration before upgrading and download this configuration to the PC used to manage the system.
- Remember that some data is lost during upgrade:
  - Call statistics
  - Transfer statistics for the network
  - The event log