

## Firmware Revision History

### Summary of Releases for EGX300

Release Version	Date	File Name	Changes Since Previous Version	Dependencies
3.700	02/20/09	egx03700.bin egx03700.rom	Original Release	None

Release Version	Date	File Name	Changes Since Previous Version	Dependencies
3.800	10/10	egx03800.bin egx03800.img egx03800.upd	<b>Modifications:</b> <ul style="list-style-type: none"><li>• Enhanced Logging</li><li>• Enhanced Device Discovery</li><li>• Enhanced Diagnostics with Sortable Data</li><li>• Real Time Trending</li><li>• Multiple Device Single Topic Log Graph Display</li><li>• Support for the devices: E5600, ION6200 (Mega), ION8600, BCPM models A B and C, BCM (BCM42), MCM, PM1000, PM5000, DM6000, Sepam 10, Var Logic, Accusine.</li><li>• Device Support for custom devices: PM800 A-S1/A-S2, EM26-96.</li><li>• Analog Gauge graphics for Basic Readings Page</li><li>• HTTP Push</li><li>• Suppression of Device Types</li><li>• Neutral current topics for real time and logging by devices supporting it.</li></ul>	Version 3.800 requires Disk Update v3.810 to be installed after the firmware update.

Release Version	Date	File Name	Changes Since Previous Version	Dependencies
3.810	10/2010	egx03800.bin egx03810.upd	<p>This release version revises the disk update used with firmware version 3.800.</p> <p><b>New device support</b></p> <ul style="list-style-type: none"> <li>• SIM10M</li> <li>• SIM10Z</li> <li>• SIM6BZ</li> </ul> <p><b>Devices Updated</b></p> <ul style="list-style-type: none"> <li>• PM1000: Corrected scaling for Energy, and Demand</li> <li>• PM5000: Corrected 64-bit data type used for energy</li> </ul>	Version 3.800 requires Disk Update v3.810 to be installed after the firmware update.

Release Version	Date	File Name	Changes Since Previous Version	Dependencies
3.900	1/11/2011	egx03900.bin egx03900.upd	<p>This firmware version is a maintenance release to address Flash obsolescence.</p> <p><b>Corrections</b></p> <ul style="list-style-type: none"> <li>• Log File Format Error Due to Long Equipment and Device Names</li> <li>• Improved Subnet Mask / IP Validation</li> <li>• Corrected Unsigned 32-bit Data (PM5000)</li> <li>• Corrected Little Endian Float-32 Data Type</li> <li>• Corrected Power Factor Display for Enercept</li> </ul> <p><b>Evolutions</b></p> <ul style="list-style-type: none"> <li>• Increased Maximum Number of Device Types Supported to 128</li> <li>• Historical Intervals in Incremental Data Log Exports</li> <li>• Italian Language Support</li> </ul> <p><b>New device support</b></p> <ul style="list-style-type: none"> <li>• Micrologic E</li> </ul>	Version 3.900 requires Disk Update v3.900 to be installed after the firmware update.

Release Version	Date	File Name	Changes Since Previous Version	Dependencies
3.910	04/21/2011	egx03900.bin egx03910.upd	<p>This release version revises the disk update used with firmware version 3.900.</p> <p><b>New device support</b></p> <ul style="list-style-type: none"> <li>• VigilOhm IM20, IM20-H</li> <li>• Twido-WAGES D12, D28, D44</li> </ul>	Version 3.900 requires Disk Update v3.910 to be installed after the firmware update.

Release Version	Date	File Name	Changes Since Previous Version	Dependencies
4.000	09/30/2011	egx04000.bin egx04000.upd	<p><b>New Features:</b></p> <ul style="list-style-type: none"> <li>• System Access Point</li> <li>• HTTPS</li> <li>• Exporting using SSL</li> <li>• Audit Trail</li> </ul> <p><b>Revised Device Types:</b></p> <ul style="list-style-type: none"> <li>• The following device types have been modified to support Peak Apparent Demand, and per phase Current THD as required by the Hong Kong BEC: <i>PM1200, PM700, PM800, PM5350, Compact NSX E</i></li> <li>• <i>Compact NSX A:</i> Adding logging support of breaker status</li> <li>• <i>Compact NSX E:</i> Added Logging support of breaker status Corrected Time Stamp for D/T of demand reset.</li> <li>• <i>PM1200:</i> Removed kVARh and replaced with Reactive Capacitive Energy (kVARh), and Reactive Inductive Energy (kVARh)</li> <li>• <i>PM800 A-S1 A-S2:</i> Changed the logging template for pulse counts and consumption to 'Incremental' from 'Absolute'</li> <li>• <i>ATS48</i> Added Accumulated Energy Logging Topic</li> </ul> <p><b>New Device Types:</b>  <i>EM 1200, DM6300, EM6400, EM6433, EM6436, EM6436Dual, EM6438, PowerPact A, PowerPact E, 4-noks ZED-THL-M</i></p>	Version 4.000 requires Disk Update v4.000 to be installed after the firmware update.

Release Version	Date	File Name	Changes Since Previous Version	Dependencies
4.100	11/30/2011	egx04100.bin egx04100.upd	<b>New Features:</b> <ul style="list-style-type: none"> <li>Monitoring Dashboards</li> </ul> <b>Evolutions:</b> <ul style="list-style-type: none"> <li>Improved Mobile Browser Support</li> <li>Changed the REM Documentation Link</li> <li>Added additional Units of Measure for WAGES support in the Custom Device Type Generator</li> </ul>	Version 4.100 requires Disk Update v4.100 to be installed after the firmware update.

Release Version	Date	File Name	Changes Since Previous Version	Dependencies
4.200	4/25/2012	egx04200.bin egx04200.upd	<p><b>Corrections:</b></p> <p><b>Custom Device Type Generator:</b></p> <ul style="list-style-type: none"> <li>Corrected issue where a new custom device type is lost after resetting the device</li> <li>Added CO2 (ppm), CO2(ton), CO2(tonne), and Irradiance(W/m2) as standard topics.</li> </ul> <p><b>Web Server:</b></p> <ul style="list-style-type: none"> <li>Enabled gzip files to be pass through Proxy Servers which block gzip encoding.</li> </ul> <p><b>Device Support:</b></p> <ul style="list-style-type: none"> <li>Added NaN detection for PM9C real time pages</li> <li>Added the following devices <ul style="list-style-type: none"> <li>EM3150, EM3155</li> <li>EM3250, EM3255</li> <li>EM3550, EM3555</li> <li>Acti 9 SmartLink</li> </ul> </li> </ul>	Version 4.200 requires Disk Update v4.200 to be installed after the firmware update.

Release Version	Date	File Name	Changes Since Previous Version	Dependencies
4.300	3/05/2013	egx04300.bin egx04300.upd	<p><b>Updates:</b></p> <p><b>Custom Device Type Generator:</b></p> <ul style="list-style-type: none"> <li>Added offset value for calculation of quantity values from raw data.</li> </ul> <p><b>Other Areas:</b></p> <ul style="list-style-type: none"> <li>Resolution to Daylight Saving Time not working in the Southern Hemisphere</li> <li>HTTP Proxy support for HTTP Data Log Export</li> <li>Resolution to exporting via SSL to IIS Web Server</li> <li>Disk Image Version is displayed in the user interface</li> </ul> <p><b>Language Support:</b></p> <ul style="list-style-type: none"> <li>Added Japanese and Russian Languages</li> </ul> <p><b>Device Support:</b></p> <ul style="list-style-type: none"> <li>Added ability to save Dashboard images</li> <li>Added the following devices <ul style="list-style-type: none"> <li>EM7320, EM7380</li> <li>PM5350BW</li> </ul> </li> </ul>	Version 4.300 requires Disk Update v4.300 to be installed after the firmware update.

Release Version	Date	File Name	Changes Since Previous Version	Dependencies
4.350	08/05/2013	egx04350.bin egx04350.upd	<b>Updates:</b> <b>Device Log Export:</b> <ul style="list-style-type: none"> <li>Added checkbox to allow user append the EGX300 MAC Address to the log file name to ensure the file name is unique.</li> </ul> <b>Device Support:</b> <ul style="list-style-type: none"> <li>Added the following devices <ul style="list-style-type: none"> <li>PM5100/PM5300 Series Meters</li> <li>EM4800</li> <li>PM5560</li> <li>Conext TL</li> </ul> </li> <li>Added support for Inputs for the following devices <ul style="list-style-type: none"> <li>iEM3155</li> <li>iEM3255</li> <li>PM3255</li> </ul> </li> <li>Fixed scaling issue for Acti9 Smartlink logging</li> <li>Fixed issue with MCM Real Power not being displayed</li> <li>Fixed issue with iEM3150/3155/3250/3255 not displaying Power in Real Time Trend</li> </ul>	Version 4.350 requires Disk Update v4.350 to be installed after the firmware update.



Release Version	Date	File Name	Changes Since Previous Version	Dependencies
4.370	6/26/2014	egx04370.bin egx04370.upd	<b>Device Log Export:</b> <ul style="list-style-type: none"> <li>• Modifications to the Data Log Export Algorithm</li> <li>• Added SMTP/HTTP Export Timeout parameter</li> </ul> <b>Device Support:</b> <ul style="list-style-type: none"> <li>• Added the following Devices: <ul style="list-style-type: none"> <li>◦ Vigilohm IM400</li> <li>◦ iEM3x55</li> </ul> </li> <li>• Removed PF Total Topic from Trending</li> <li>• Changed "Total Energy" from "Energy Delivered + Received" to "Energy Delivered-Received" – PM5350</li> <li>• Changed Min/Max Reset parameters to reset both Min and Max – Micrologic E</li> <li>• Fixed issue with iEM3155 and iEM3255 not displaying Input 1 Pulse Weight correctly</li> <li>• Removed Resets not supported by ION7650</li> <li>• Fixed "Min/Max" Reset – ION7650</li> <li>• Added check to see if the device is a PM3255 before populating Input Metering Values</li> <li>• Added trending support for Conext TL</li> <li>• Fixed issue with logging strings not matching topic – PM5100/PM5300, EM4800, PM5350xB, PM5350, and PM5500</li> <li>• Added Input Metering Pulse Counts to iEM3x55 and PM3255 Logging</li> <li>• Fixed issue with not closing MBTCP connection when other end terminates connection</li> <li>• Fixed per phase Power trending issue for the iEM3150</li> <li>• Added Acti9 Dashboard functionality</li> </ul>	Version 4.370 requires Disk Update v4.370 to be installed after the firmware update.

4.380	11/02/2014	egx04380.bin egx04380.upd	<ul style="list-style-type: none"><li>• Adds support for the EM1350</li><li>• Added support for remote devices with Device IDs equal to 255</li><li>• Added support for the new Tenant Billing application</li><li>• Added additional EM6400 Series meters Real Time Energy Readings</li><li>• Added support for the PM5500 Series meters Input Metering Values</li><li>• Addresses the issue where Acti9 Smartlink Devices did not have Dashboard data available in version 4.360 and 4.370</li><li>• Addresses Failed SMTP server Authentication issue where the EGX300 could not authenticate with some SMTP servers</li><li>• Addresses issue where the file name of log files when appending the MAC was being truncated.</li></ul>	Version 4.380 requires Disk Update v4.380 to be installed after the firmware update.
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4.400	08/07/2015	egx04400.bin egx04400.upd	<ul style="list-style-type: none"> <li>• Added support for BCPM-E</li> <li>• Address issue where the NTP Timestamp causing invalid date/time stamps in log files</li> <li>• Corrected Dashboard Interval Calculation caused by differences in Time Zones</li> <li>• Corrected SMTP Device Log Export where the server does not require authentication</li> <li>• Added support for PM2xxx</li> <li>• Added support for EM6400NG</li> <li>• Updated Varlogic NRC12 Real Time Readings</li> <li>• Updated EM6436 Real Time Readings</li> <li>• Fixed EM7000 Energy Logging</li> <li>• Fixed PM3250 Logging</li> <li>• Fixed PM5350 Demand Logging</li> <li>• Added support for Compact/Masterpact I/O</li> <li>• Added support for Micrologic connected via IFE or IFM</li> <li>• Added support for Acti 9 Ethernet Device</li> </ul>	Version 4.400 requires Disk Update v4.400 to be installed after the firmware update.
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4.461	02/23/2016	egx04461.bin egx04460.upd	<ul style="list-style-type: none"><li>• Corrected issue where BCPM/BCM Circuit/Channel Names were not being saved after power cycle</li><li>• Fixed problem where custom devices were not being saved on disk update.</li><li>• Updated PM5000 Energy</li><li>• Updated Sepam 40 Trending</li><li>• Updated Micrologic H Real Time View</li></ul>	Version 4.461 requires Disk Update v4.460 to be installed after the firmware update.
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