

OMEGA Enterprise Gateway Release Notes

GENERAL REMARKS

Omega Enterprise Gateway (OEG) is a replacement software for Omega OPC Server, iCONNECT, iLOG, HTTPGet, iPort, Mail Notifier, Virtual Coordinator and Omega Dashboard. If you are a current user of any software listed above, we encourage you to install OEG. OEG supports the following Omega products:

1. Controller – Platinum™, iSeries, iTH
2. Wireless receivers – ZW-REC, zCDR, UWTC-REC3, UWTC-REC1, UWTC-REC2, wSeries, WW-ED
3. Wireless end devices - Depended on receiver
4. iServer Series – iBTX, iBTHX-W, iBTX-SD, iTHX-W, iTHX-SD, iTCX, iPTX, iSD-TH, iSD-TC, EIT
5. DAQ devices – OM-DAQ-USB-2401, OM-DAQXL
6. Pressure Sensors – PX409-USBH/485, IN-USBH

OEG server can be installed on following OS/Platforms: Windows® 7, 8, and 10, Windows Server 2008, 2012, and 2016. All OS are 64-bit. Omega doesn't recommend 32-bit OS.

OEG web client is platform independent.

The minimum hardware requirements for server installation are: Dual core CPU 2.4GHz or up, Memory 4GB or up, Hard drive 250GB or up.

OEG uses MongoDB as historian database. More information about MongoDB including AGPL licensing can be found at <https://www.mongodb.com/community>. OEG also uses a few other software components under various commercial free license terms. For license terms of all other components, please refer to license statement document.

Please review Release Notes to learn what is new in each release and important remarks concerning known issues and their workarounds.

For more information about the software or if you require technical support, please refer to the User Manual or contact Omega engineering support at support@omega.com

VERSION 1.2.0.0

NEW FEATURES

1. Support Omega Pressure products
2. Support iSeries temperature humidity controller
3. Support OM-DAQXL
4. Support Omega Cloud application (for more information, please contact sales@omega.com)
5. Allows the user to turn on/off MQTT broker on OEG

ENHANCEMENTS

1. Reorganized system tab functions
2. Simple device add functions
3. Allows user to use device name to find/retrieve historical data
4. Improved data retrieve time
5. UI updates
6. Enable MQTT message group function to reduce traffic

REMOVED/RETIRED FEATURES

1. Moved firmware management to device listener settings

BUG FIXES

1. Fixed unable to reading negative measurement on iServer product
2. Fixed OPC device status data not be able update bug
3. Fixed unable to view live data for iTCX device
4. Fixed data deletion not working on measurement points
5. Fixed IE 11 compatibility issue
6. Use correct channel/ID for coordinator device and end sensing device

KNOWN ISSUES

1. OEG requires MongoDB to be installed for historical data. MongoDB has dependency on VC runtime. On certain machine, user is required to install VC runtime redistributable in the installation package

VERSION 1.0.0.0

NEW FEATURES

1. Supports integrated windows authentication. User required to have a Windows/domain account to access web functions and data
2. Supports HTTPS connection to ensure data security and integrity
3. Supports most connected Omega measurement devices, controllers, and DAQ system (Please refer to general remarks)
4. Contains embedded OPC UA server to allow OPC UA compliant client application to communicate with Omega devices. Measurements are automatically populated and exposed by OPC UA server (requires license)
5. Contains embedded OPC DA server to allow OPC DA compliant client application to communicate with Omega devices
6. Supports local historian/analytics, allows user to save, search, retrieve, filter, visualize, export long term measurement values of interesting
7. Allows user to monitor multiple devices, multiple readings on a single page in real time
8. Allows user to easily add, delete, start, stop one or more devices. Device settings are persisted, once the device is added to the system. The device will be automatically added back to gateway without human intervene
9. Real-time device measurement monitoring via charting. User can set charting window
10. System healthy status monitoring via graphical interface or system log file
11. User can set alarm on measurement values. User can also set alarm notification via email
12. User can set event notification via email
13. User can select measurement channel to capture data
14. Local alarming function. Required to be run locally
15. Support IOT and Cloud connectivity via MQTT protocol (requires license)

ENHANCEMENTS

N/A

REMOVED/RETIRED FEATURES

N/A

BUG FIXES

N/A

KNOWN ISSUES

N/A