New Helixx® Operating System and Niagara Release 4.10.U1 Now Available for JENEsys Edge® Controllers

December 2021

Attention All Lynxspring Business and Technology Partners

Lynxspring is pleased to announce the availability of a new Helixx operating system and availability of Niagara 4.10.U1 for our JENEsys Edge 534, JENEsys Edge 514 and JENEsys Edge 414 controllers.

Helixx®

The new Helixx, operating system is a custom Linux distro, optimized for improved memory management. Simply put, it enables smarter tech with more results. This Helixx operating system was developed using BuildRoot -- an automated tool for building an embedded OS for targets of varying hardware profiles and boot (system readiness) demands. No bloat. Better defense. Furthermore, it:

- Provides for a lighter footprint, ultimately resulting in improved memory management
- Optimizes the boot process for network booting, leading to increased reliability
- Is easier to support ongoing development of varying hardware architectures and hardware profiles, enabling smarter tech and more results
- Offers an increased cybersecurity posture

All new units ordered as of December 1, 2021, will ship with the new Helixx operating system.

Niagara Release 4.10.U1

Here is a recap of the features and functions in Release 4.10.U1 now available with most JENEsys Edge Controllers:

- System Database Support for Tag Based PX: Niagara 4.6 introduced **System Database** which dramatically decreases the amount of time to integrate remote Niagara Network stations into a Supervisor. **Tag-based PX binding** was introduced in Niagara 4.9 enabling users to develop graphics once, and then re-use them across stations. Niagara 4.10 marries these two powerful solutions together to reduce the amount of time spent engineering your enterprise sites and to give you more time to spend providing value to the customer.

- **Improved Graphics Performance on the JACE:** Utilize our new **UX Media** type to achieve faster graphics load time and enable instantaneous feedback on changing values. Niagara 4.10 will help you convert your existing PX graphics to a contemporary UI, based on browser standards via a built-in migration tool!

- **HTML-5 Tag Manager:** New **HTML-5 Tag Manager** provides a modern and intuitive design which enables a more efficient overall tagging workflow. Provides features such as bulk tagging via a browser, context sensitive tagging, seamlessly viewing direct and implied tags, exporting all tags to a spreadsheet for templating and ongoing management, drag-n-drop functionality, and more!

- **Bulk Certificate Signing Tool:** New Workbench tool that improves certificate signing experience. Sign one or multiple certificates in bulk with the same CA and generate signed certificates in PKCS7 format for compatibility with browsers.

- MQTT Updates: A new MQTT Authenticator enabling JWT authentication (Google) enables seamless connectivity for Google-Cloud based applications.

- Supervisor Edge Licensing Scheme for Niagara Network Connections: Introducing a new licensing schema which allows you to connect 10 times more Edge devices that are using the Niagara stack to a supervisor for the same price.

Additional Important Notes

To upgrade existing field deployed JENEsys Edge devices currently running previous versions of Niagara 4 to release 4.10.U1, they first must be upgraded to the new Helixx operating system. Instructions on how to do this is included in the documentation. Also note, that JENEsys Edge devices running Niagara AX is not field upgradable.

Lynxspring's technical support team is available to help you through the process if needed.

The JENEsys Edge Monnit and JENEsys Edge 4G are not currently supported in this release. We will advise when they become available.

 In addition to the support of 4.10.U1, our JENEsys Edge controllers support 4.9.1, and 4.7.110.

As previously announced, 4.10.U1 is available on all JENEsys PC 8000's and has been for some time.

For additional information in support of this announcement, please refer to the following links:

Documentation
JENEsys Edge 514 Controller
JENEsys Edge 534 for Niagara 4
JENEsys Edge 414 Controller

Software Builds
4.10.1

4.9.1
4.7.110

Contact your Lynxspring Regional Sales Manager and **support@lynxspring.com** for more details.

Thank you for your continued business and support.

Sincerely,

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