

Customer Notification Bulletin

Date

1 September 2016

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Subject

SmartServer 2.2 Availability

Summary

SmartServer 2.2 has been released, with new SmartServer 2.2 products replacing the SmartServer 2.0 products. SmartServer 2.2 is a major update to the SmartServer, providing new and enhanced functionality as described in this bulletin, while also providing the same functionality as SmartServer 2.0. SmartServer 2.2 combines the building automation and IoT automation capabilities of SmartServer 2.0 with the lighting control capabilities of SmartServer 2.1—providing the first converged controller for building controls, lighting controls, and IoT applications. The SmartServer hardware platform has not changed with this release, and the SmartServer 2.0 firmware and custom images based on the SmartServer 2.0 firmware can be loaded on the SmartServer 2.2 hardware for complete backward compatibility.

New Products

Model Number	Description	Availability Date
72101R-432	SmartServer 2.2 FT Standard	2 Aug 2016
72101R-442	SmartServer 2.2 FT Professional	2 Aug 2016
72102R-442	SmartServer 2.2 FT Professional With Modem	6 Mar 2017
72103R-442	SmartServer 2.2 PL Professional	27 Mar 2017
72103R-462	SmartServer 2.2 PL Professional With External Coupling	5 Sep 2016
72110-442	SmartServer 2.2 Software	3 Oct 2016
72111-442	SmartServer 2.2 Programming Tools	7 Nov 2016

Products Replaced by the New Products

Model Number	Description	Last-Time-Buy Date	Replacement Model Number
72101R-430	SmartServer 2.0 FT Standard SR2	5 Sep 2016	72101R-432
72101R-440	SmartServer 2.0 FT Professional SR2	5 Sep 2016	72101R-442
72102R-440	SmartServer 2.0 FT Professional With Modem SR2	28 Feb 2017	72102R-442
72103R-440	SmartServer 2.0 PL Professional SR2	28 Feb 2017	72103R-442
72103R-460	SmartServer 2.0 PL Professional With Ext Coupling SR2	26 Sep 2016	72103R-462
72110-440	SmartServer 2.0 SR2 Software License	26 Sep 2016	72110-442
72111-439	SmartServer 2.0 Programming Tools	31 Oct 2016	72111-442

Schedule

First orders accepted for SmartServer 2.2 SR4 products: 1 Aug 2016

First shipments for SmartServer 2.2 SR4 products: see Availability Dates listed above

Last date to place an order for the replaced existing models: see Last-Time-Buy dates above; subject to availability

Last date of delivery for discontinued existing models: while supplies last

Changes

The SmartServer firmware has been updated to SmartServer 2.2 SR4/SP4 (software version 4.08.010). This update includes the following enhancements:

- You can now implement standalone networks with up to 300 devices and up to 2000 data points. This is a 50% increase from the previous limit of 200 devices.
- You can now create peer-to-peer LonWorks connections in standalone networks. You can use this capability to provide rapid response to external events, without using a separate network installation tool.
- A new maintenance network management mode has been added to reduce commissioning time by enabling you to disable data point heartbeats and polling messages while you commission new devices in a network.
- A new static repeating mode enables you to optimize performance when using power line meshing by disabling periodic verification of repeating paths.
- The SmartServer XMPP client has been enhanced. The XMPP client enables bi-directional communication between SmartServers and enterprise applications located behind firewalls. The SmartServer's XMPP client now supports connections where the IP address changes because of lease timeouts, and is now compatible with Openfire.
- Performance of the built-in Web pages and custom Web pages that you build with i.LON[®] Vision has been improved.
- Support for the IzoT Net Server and IzoT Commissioning Tool has been added.
- Support for 64-bit and 32-bit versions of Windows 10, Windows 8.1, and Windows 8 has been added.
- Support for new versions of Chrome, Firefox, Safari, and Internet Explorer has been added.
- Support for custom Web pages in Chinese, Korean, and Japanese has been added in addition to the existing support for English, French, and German Web pages.
- Support has been added for 96-bit (12-byte) keys when commissioning unconfigured and preconfigured devices and polling and updating external data points (network variables).
- The SmartServer OpenSSL library has been updated to version 1.0.2a to address a Man-in-the-Middle vulnerability, to disable weak (< 128-bit) ciphers, and to add support for chained/intermediate and 2048-bit client certificates.
- Support has been added for automatic installation of networks using power line meshing, including street lighting networks using the Echelon CPD 3000 PL Lighting Controller.
- Support has been added for sending a broadcast message to all devices in networks that use power line meshing such as street light networks using the Echelon CPD 3000 PL Lighting Controller.
- A new Outdoor Lighting System (OLS) framework for support smart street lighting applications has been added to the SmartServer PL Professional models.
- A new version of the CPD 3000 outdoor lighting controller firmware has been added for use with CPD 3000 PL Lighting Controllers.
- Pulse meter support has been enhanced to support rising, falling, or both-edges for meter pulse or edge counting.
- Logging has been enhanced to include logging of logins and logouts.
- The Echelon IzoT[®] Resource Editor and the standard LonMark[®] resource files have been updated.
- A SmartServer LNS[®] Proxy License and EES Activation are no longer required to use EES.
- SmartServer is now able to securely contact and synchronize with the LNS Proxy in EES 2.0 through SSL.
- You can now display the calculated sunrise and sunset times in the Real Time Clock Web user interface.
- Added support for a system health configuration change to take effect without requiring a reboot of the SmartServer.

- Added a user interface to specify the input/output direction when creating a dynamic network variable.
- New and updated formats have been added for **SNVT_switch_2** values.
- You can now view, set, or edit a Modbus register start address in hex with a new **Hexadecimal** option in the Global Settings dialog.
- The user interface has been simplified for deleting multiple devices with network connections.
- The Adobe SVG Viewer product installation option has been removed from the SmartServer 2.2 Product Installation menu since modern browsers now support SVG.

See www.echelon.com/smartserver for more information on the SmartServer products.

Compatibility

The original SmartServer 2.0 firmware and the i.LON 100 e3 plus firmware are included with the SmartServer 2.0 SR2 software, so SR2 customers can downgrade their SR2 SmartServers to the original SmartServer 2.0 or i.LON 100 e3 plus functionality. The SmartServer 2.2 SR4 firmware is also included so that downgraded SmartServer 2.2 SR4 units can be upgraded back to SR4 at a later date.

SmartServer 2.2 Service Pack 2 (SP4) has also been released. You can use this service pack to update the original SmartServer 2.0 to the SmartServer 2.2 SR4 firmware. The Model 72110-440 SmartServer 2.0 Software License will be replaced with the Model 72110-442 SmartServer 2.2 SR4 effective October 3, 2016. The SmartServer 2.2 Software License can be used to upgrade the original SmartServer or an i.LON 100 e3 plus to the SmartServer 2.0 SR2 firmware.

Contacts

For more information, contact me or your Echelon sales representative. To learn more about the SmartServer, see the SmartServer product page at www.echelon.com/smartserver.

Sincerely,

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