

PRODUCT CHANGE NOTICE

Dear Valued Lantronix Customer,

The purpose of this communication is to inform you of the immediate availability of new software release for XPort Pro.

Change Type

Software

Products Affected

XPort Pro (Evolution OS)

| Part Number | Description | Old Revision | New Revision |
|----------------|---|--------------|--------------|
| XPP1002000-02R | XPort Pro Device Networking Module, Evolution OS, AES Encryption, 16MB SRAM, Extended Temperature, RoHS, Bulk | C15 | D15 |
| XPP100200S-02R | XPort Pro Device Networking Module, Evolution OS, AES Encryption, 16MB SRAM, Extended Temperature, RoHS, Sample | C16 | D16 |

XPort Pro (uClinux)

| Part Number | Description | Old Revision | New Revision |
|----------------|---|--------------|--------------|
| XPP1003000-04R | XPort Pro Device Networking Module, Linux OS, AES Encryption, 16MB SRAM, Extended Temperature, RoHS, Bulk | A11 | B11 |
| XPP100300S-04R | XPort Pro Device Networking Module, Linux OS, AES Encryption, 16MB SRAM, Extended Temperature, RoHS, Sample | A11 | B11 |

XPort Pro Lx6

| Part Number | Description | Old Revision | New Revision |
|----------------|---|--------------|--------------|
| XPP1004000-02R | XPort Pro Lx6 Device Networking Module, Linux OS, IPv6 Enabled, AES Encryption, 16MB SRAM, Extended Temperature, RoHS, Bulk | E17 | F17 |
| XPP100400S-02R | XPort Pro Lx6 Device Networking Module, Linux OS, IPv6 Enabled, AES Encryption, 16MB SRAM, Extended Temperature, RoHS, Sample | E18 | F18 |

Description and Extent of Change

New application firmware is available for all SKUs that enhances the software watchdog timer functionality to address the following issue that is exhibited only on the SKUs with the new memory chip module (shipping from July, 2017):

The function of the software watchdog is to get triggered under rare circumstances when the system software transitions into an unrecoverable state and restore system operation via a reboot. With the new revisions of XPort Pro (shipping from July 2017 onwards), it was observed that the soft reset operation due to watchdog timeout would not exit reboot mode until an external reset is applied.

The new firmware (all SKUs) and secondary bootloader (XPort Pro, Linux OS and XPort Pro Lx6) have been updated to utilize the Core Watchdog Timer in addition to the Watchdog Timer Module. They invoke the software reboot routine that enables proper operation of the flash chip reset when the module undergoes a reboot due to a watchdog timeout situation.

Effect of Change on Fit, Form, Function, Quality, or Reliability

For customers using standard Lantronix firmware, it is highly recommended that you upgrade your XPort Pro firmware to the new versions as outlined below.

| Product Variant | Part Number | Software Version |
|---------------------|----------------------------------|--|
| XPort Pro Evolution | XPP1002000-02R XPP100200S-02R | Firmware: 5.4.0.2R2 |
| XPort Pro Linux OS | XPP1003000-04R XPP100300S-04R | Linux SDK : 2.0.0.10 Secondary Bootloader (dBUG): dBUG-r873 |
| XPort Pro Lx6 | XPP1004000-02R XPP100400S-02R | Firmware: 7.5.0.2R3 |

Customers creating custom firmware via the Evolution OS SDK will need to rebuild their firmware with the new SDK release to integrate the watchdog time enhancements for this update. Customers using the uClinux SDK for XPort Pro (Linux OS) will need to rebuild their firmware with the new SDK release and program the updated secondary dBUG bootloader into their XPort Pro modules.

The SDK release and firmware are available for download from the Lantronix website and via Lantronix forums (<http://www.lantronix.com>) from September 15, 2017.

Effective Date of Change

Affected products will begin shipping with the new software from the factory by September 20, 2017.

If you have any questions, please contact your sales representative or Lantronix Technical Support at (800) 422-7044 or (949) 453-7198.