

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.