

Date: [June 2, 2004]

PCN No.: [008]

## PRODUCT CHANGE NOTICE

Dear Valued Lantronix Customer,

The design of the XPort has been updated to increase the speed of the XPort and to incorporate hardware changes that will enhance its reliability. This update also makes XPort more environmentally friendly. For quality purposes the part numbers are being changed to differentiate them from the previous version.

<u>Old Part Numbers</u>	<u>New Part Numbers</u>	<u>Notes</u>
XP1001000-01	XP1001000-03	
XP100100K-01	NA	No direct replacement see XP100200K-03
XP100100S-01	NA	No direct replacement see XP100200S-03
XP1002000-01	XP1002000-03	
XP100200S-01	XP100200S-03	Use as an alternative for XP100100S-01
	XP100200K-03	Use as an alternative for XP100100K-01

### Description of Hardware Changes

- Changed the processor from a DSTni LX to DSTni EX
- DSTni EX device supports increased serial port speeds of 460K and 920K
- Product now withstands the eleven-pound pull test as specified in the 802.3 specification
- Improved RJ-45 contact retention within the comb gauges by extending gauge
- Improved RJ-45 contact force and contact wipe by moving the leading edge of the contacts closer to the front of the connector housing
- Removed all exterior lead from XPort
- Changed LED plastic material to provide consistent visibility performance when subject to high temperature/high humidity environments

### Description of Configuration and Protocol Support Changes

- The DSTni EX processor runs in standard and high performance modes. The product ships in standard mode. The DSTni EX high performance selection is available under the Expert Settings page in the Setup Menu and is also available in the Web Manager. Please note that the high performance mode has an upper temperature limit of 75°C.

- The DSTni EX processor supports two new higher baud rates of 460K and 920K. These selections are available through the Setup Menu, under the Channel 1 Configuration settings, which accepts the new baud rate values of 460800 bps and 921600 bps. These selections are also available via the Web Manager, in the pull-down speed settings of the Port Properties. Both of these baud rates require setting the high performance option.
- Support for UDP Datagram FD.

## **Firmware Improvements**

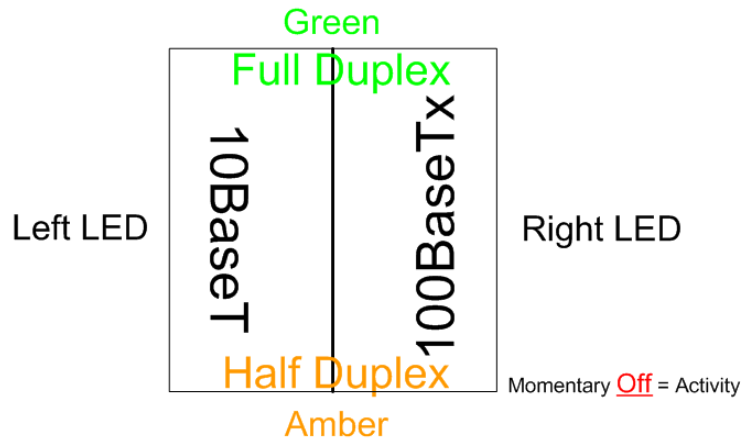
1. Modified the maximum segment size in the TCP stack to 1400, allowing for the additional headers associated with PPPoE/ADSL networks. Escalation C-031023-41206.
2. Debug SMTP messages from the serial port have been removed from the release build. Escalation C031125-42649.
3. The inactivity timer is no longer reset when a TCP keepalive is received. The inactivity timer continues to run after receiving a TCP keepalive, and the timer now allows values higher than the TCP keepalive timer. Escalation C031030-41543.
4. The Setup Menu processing has been improved so the Telnet password is not changed when the security settings are accessed. Escalation C031030-41566.
5. The product now treats the Configuration Record C0, C0 command as a complete record write command which erases the IP address. When writing to Configuration Record C0, the FA command must be used to retain the IP address.
6. The firmware supports up to 16 TCP connections, the previous limit was eight.
7. The update of the local copy of setup record 0 data is immediate, thus enabling the monitor mode GC command to display the correct information.

## Change in LED Display Functionality

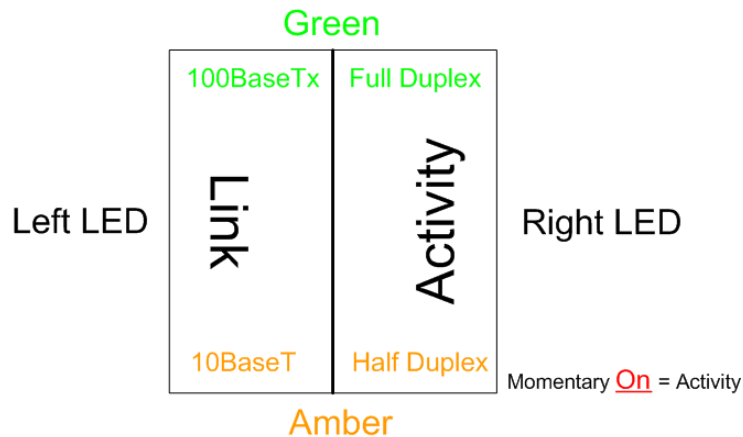
<b>XPort LED Functionality Comparison</b>		
<b>LED</b>	<b>New</b>	<b>Original</b>
<b>Status</b>	<b>XPort -03</b>	<b>XPort -01</b>
<b>Left LED</b>		
Off	No Link	No 10BaseT Link
Momentary Off Amber		Half Duplex 10BaseT Activity
Momentary Off Green		Full Duplex 10BaseT Activity
Solid Amber	10BaseT	Half Duplex 10BaseT Link
Solid Green	100BaseTx	Full Duplex 10BaseT Link
<b>Right LED</b>		
Off	No Activity	No 100BaseTx Link
Momentary On Amber	Half Duplex Activity	
Momentary On Green	Full Duplex Activity	
Momentary Off Amber		Half Duplex 100BaseTx Activity
Momentary Off Green		Full Duplex 100BaseTx Activity
Solid Amber		Half Duplex 100BaseTx Link
Solid Green		Full Duplex 100BaseTx Link

## XPort LED Functionality Comparison

### XPort – 01 Original



### XPort – 03 New



### Additional Information

The new XPort products will be available for shipment in July 2004.

For future orders, please use the new part numbers listed above when they become available.

If you have any questions, please contact your sales representative or Lantronix Customer Support at (866) 649-0721 or (949) 453-3990 x342.