XS13M Xtensys Firmware Change List

Previous Revision: XS13L
Program File names: XSP13M.hex
Date: 14 September, 2009

A. Eight port user station changes
1. Board 2 supplies board 1 with cable length measurements when switches are linked to ports 5 through 8, to ensure proper video adjustment.
2. Board 2 erases linked computer data when switches are removed from ports 5 through 8.

B. Eight port and four port user station changes
1. Fix a bug which could cause incorrect group access in stations connected to more than 128 computers.

XS13L Xtensys Firmware Change List

Previous Revision: XS13K
Program File names: XSP13L.hex
Date: 19 April, 2009

A. Four and eight port user station changes
    1. Fix a bug from XS13K in which stations connected to multiple switches with a total of more than 128 computers displayed names and access permissions incorrectly.
    2. Fix a bug from XS13K which sometimes caused incorrect display in the Computer Select menu when the user's access group number was 17 through 64.
    3. Fix a bug in which multiport user stations can fail to retrieve all names and permissions at power up.
    4. Fix a bug which sometimes caused the display of incorrect values for the user's current connection mode.
    5. Prevent multiport stations from saving switch configuration data to local flash. Multiport stations can only save to local flash when no switches have linked.
    6. Multiport stations acquire their full configuration from the switch connected to RS-485 port 1. Only computer names and group access permissions are retrieved from switches connected to the other ports.

B. Eight port user station changes
    1. Fix a bug in which disconnecting from computers on switches linked to station ports five through eight failed to disconnect from the correct switch port.
    2. Add the ability to retrieve and display computer names, access permissions, computer link status, and computer environmental information from switches connected to station ports five through eight.

XS13K Xtensys Firmware Change List

Previous Revision: xs13h
Program File names: xsp13k.hex
Date: 7 April, 2009

A. Video Only connections with XTR-MU/MP (changes added in XS13J)
   1. Fix a bug in which video only connections to CPU 17 or greater failed.
   2. Switches display the firmware version of XTR-MU/MP devices in the Device Status screen.
   3. Switches display video only connection information in Connection Status screen.
   4. Switches respond correctly to serial inquiries about kvm ports with video only connections.
   5. Remove a bug which caused keyboard and mouse bytes received by a switch from an XTR-MU/MP on KVM port 1 to be sent to the local kvm's current CPU connection.
   6. Remove a bug which paritally disabled execution of serial port switching commands to user stations (not in XS13J).

B. Events Serial Console Protocol
   1. Fix the serial protocol events output so that switches report connect and disconnect information correctly.

C. Multiport Station
   1. If a multiport user station links to an Xtensys switch on its first RS-485 port, its User ID (or login requirement) is determined by its KVM port number on that switch and the configuration information supplied by that switch.
   2. Correct the storage of group access data received from multiple switches by XTR-14 user stations such that the Computer Select Menu works correctly.
   3. Fix a bug which caused user stations to hang when the Computer Select menu is displayed if some computers were disallowed in the station's user group.
   4. The KVM name displayed by user stations in the KVM menu and the Connection Status Box is determined by the KVM port number and KVM names received from the switch.
   5. Multiport stations can not save configuration changes made at the station to switches, due to the combination of names and access groups from multiple switches.
   6. Fix a bug in which Multiport user station connections to a given CPU on a given Xtensys switch were reported by every switch to which it was connected.

D. Third party switching from the Computer Select Menu
   1. In the Computer select menu, the backspace key decrements the KVM station displayed for third party switching.

E. Connection Status Display
  1. Each station's user name is correctly displayed in the switch's Connection Status Display, instead of the name of the first user.
  2. Fix a bug in the Connection Status display which caused the user name of the first KVM with an active connection to be displayed for KVM 1 when there was no connection and no link on KVM 1.

XS13H Xtensys Firmware Change List

Previous Revision: xs13g
Program File names: xsp13h.hex
Date: 16 December, 2008

1. Fix serial options menu flashing bug, in which selecting option 4, receive new USB program, and then sending Xtensys firmware instead of USB firmware disabled the Xtensys.

XS13G Xtensys Firmware Change List

Previous Revision: xs13f
Program File names: xsp13g.hex
Date: 24 September, 2008

1. Change the number of data bytes in terminal emulation fill packets from 32 to 16. Fixes bug in which stations were unable to connect to terminal sessions with partially filled buffers.
2. Decrease the frequency of checking for terminal emulation data, to prevent sending a 16 byte packet for every host data byte received. Check only one cpu port each time.
3. Disable third party switching by stations if they do not have an Xtensys switch on CPU port 1. Fixes bug in which XTR-14 stations sometimes are unable to switch using Computer Select menu if only XTT connections are on CPU ports.
4. Add XTS local console can make third party video only switching from Computer Select menu by typing 'V' instead of enter to make the connection.
5. Fix keyboard buffer overrun bug which caused "unknown reason" connection failures on adjacent ports.