Trinix™ IP-33500 512 x 512 Interface Board Upgrade

Applicability

This upgrade applies only to Trinix DV-33512 (512 x 512) digital video routers that exhibit occasional low voltage alarms on boards that monitor or use 4.7 volt power.

This behavior may be seen on routers with early-model IP-33500 512 x 512 Interface Boards (part no. 54-053094-001). These boards were installed on routers manufactured prior to September 2005 (approximately).

Note   Other than the alarm behavior discussed below, there is no way to verify which version of this board is installed without powering off the router and removing part of the rear panel. In case of doubt, contact Technical Support.

CAUTION This upgrade should only be performed by qualified personnel.

Purpose

A wiring error was discovered in the Trinix 512 x 512 router system that prevented one supply voltage from reaching the RP-33500 rear panel. Other redundant supply voltages allowed the RP-33500 to operate normally. The additional loading on the other supplies reduced their voltage. This caused occasional low voltage alarms in some of the other Trinix boards that monitor or use those 4.7 volt redundant supplies. The modified IP-33500 board restores the missing supply connection to the RP-33500 boards.

Materials Supplied

Qty	Description	Part number
1	IP-33500 512x512 Interface Brd	671 6741 00A1 or 671 6741 00B1[*]
1	ITR, Trinix IP-33500 512 Int Brd	071 8437 00

Equipment Required

None

Software Required

No software changes are needed.

Related Documents

Trinix Planning and Installation Manual, part no. 071 8276 xx.

Engineering Change Order 032M.

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[*]A preliminary version of the revised IP-33500 board was identified as "54-053094-001 Revision B1."

Upgrade Procedure

CAUTION The following procedure will disrupt all signals passing through the router for approximately 10 minutes. When power is re-applied the router will restore status automatically, i.e., all inputs will be switched to the same outputs as before.

1. Remove power to the router by pulling the power supplies out a few inches.

CAUTION During the following step, be very careful not to drop screws or other items inside the router chassis.

2. Remove all cables connected to the RP-33500 Rear Panel.

   See Figure 1 for the location of the RP-33500.

3. Remove the RP-33500 panel.

   There are four screws securing this panel.

4. Pull out the socket-mounted IP-33500 512 x 512 Interface board, part no. 54-053094-001, from the HS-33500 backplane.

CAUTION During the following steps, be sure to align the IP-33500 and RP-33500 boards properly to avoid damaging the connectors.

5. Carefully install the supplied IP-33500 board, part no. 671 6741 00A1 or 671 6741 00B1.

   Note the silk screen labels which indicate the interior ("To HS-33500") and exterior ("To RP-33500") connectors. Also, the part number / serial number silk screening will be on the top end of the IP board when properly positioned.

   Use the card guides in the chassis to insure proper alignment of the board.

6. Carefully re-install the RP-33500 panel so that a proper connection is made to the IP-33500. Reconnect the associated cables.

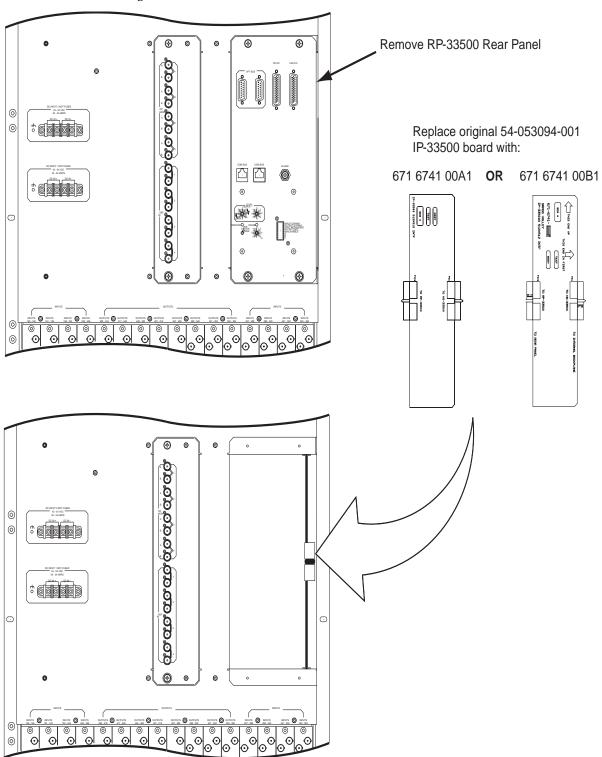7. Re-power the router and verify proper operation.

8. Discard the old IP-33500 board.

Figure 1. Installation of new IP-33500 board

Remove RP-33500 Rear Panel

Replace original 54-053094-001
IP-33500 board with:

671 6741 00A1 **OR** 671 6741 00B1