



PARADISE DATACOM APPLICATION NOTE

IP TRAFFIC CARD CABLE CHECK

EVO_AN_019

Summary

This application note describes how to check the cable routing of the EIA530 cable when an IP Traffic card is fitted. Some cables may be routed incorrectly, inadvertently covering the cooling fan, which may lead to a higher IP Traffic card processor temperature.

Method

Ensure you have a static safe working environment in which to perform the check. Please remove the Modem from service, disconnecting the cables and mains supply. Remove the covering lid securing screws and remove.

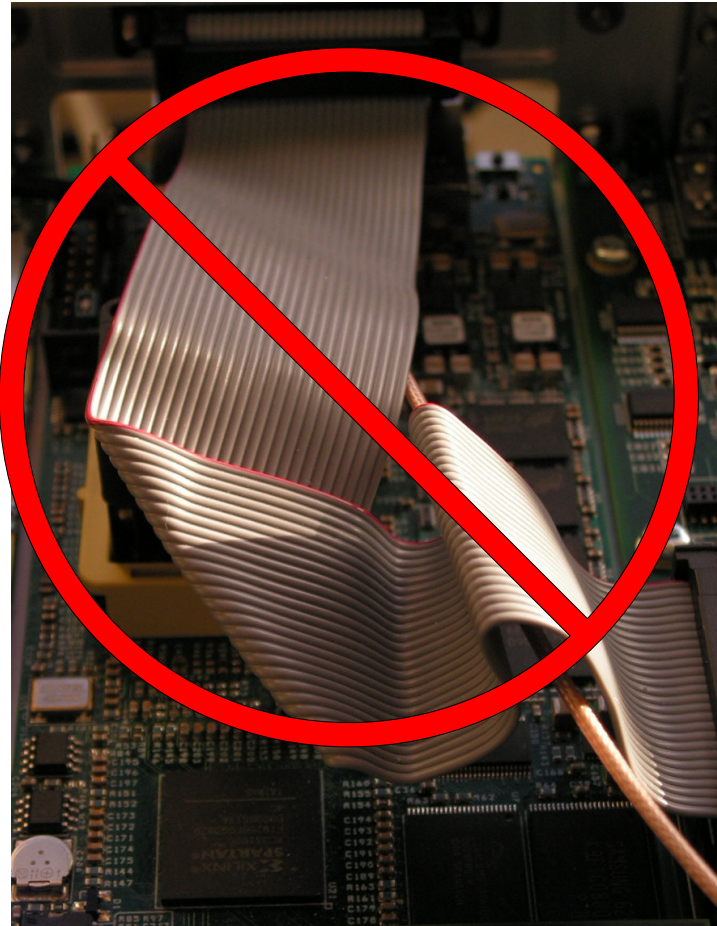
With the Modem LCD / keypad facing you the IP Traffic card can be seen at the rear, centre of the Modem. Please check the EIA530 electrical interface cable is not routed over the IP Traffic cards cooling fan, if it does, please remove this cable from the header socket on the Motherboard and re-fold so that when returned to the header socket the cable no longer obscures the cooling fan.

Please refer to the pictures on the following page. The left hand picture is incorrectly routed, the right hand one is correct.

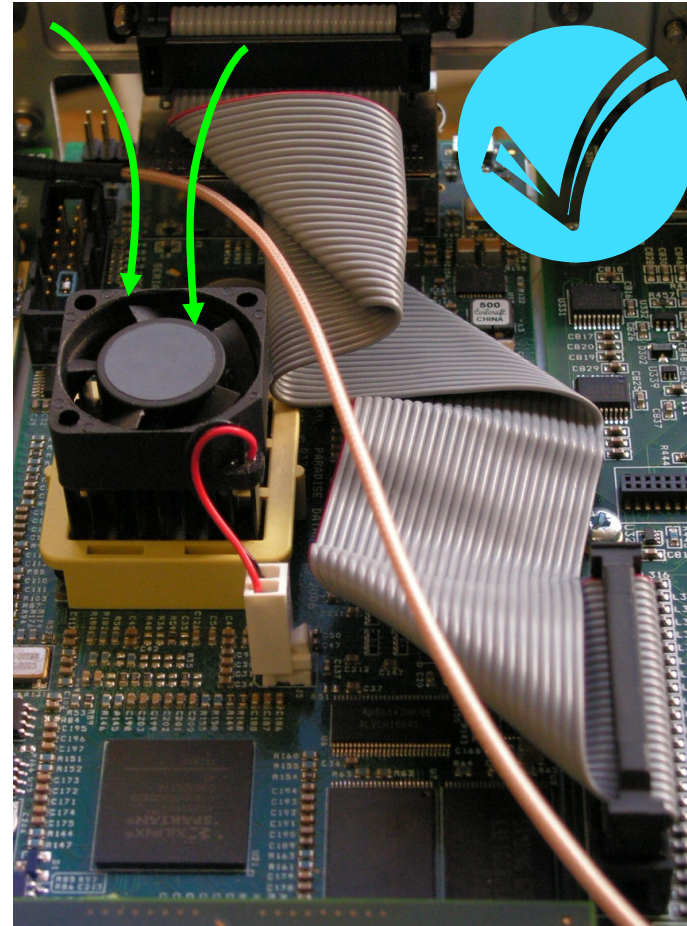
You may need to tape the cable so the folds remain in place.

Once checked, please replace the covering lid and return the Modem to service.

P3714 IP Card and EIA530 Cable Fitted Together



Fan obscured – cannot take in air.
This may result in overheating.



Cable is routed with a few folds away from the fan, can be taped if necessary
Fan is now free to take in air.

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