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Product Notice

PN Number 68

CompactFlash Insertion disrupts access to an 8-bit PC/104 add-on board on VIPER

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PCB Version:	1	**Schematic Version:**	1
PCB Issue:	1 to 6	**Schematic Issue:**	1 to 6

When a CompactFlash card is inserted and an 8-bit PC/104 add-on board is fitted, 8-bit accesses on even addresses to the PC/104 add-on board are not accessible.

The reason for this is the PXA255 nIOIS16 signal on the PCMCIA interface is logically 'AND'ed' with the IOIS16 signal from the CompactFlash interface and the IOIS16 and MEMCS16 signals from the PC/104 interface.

A low signal on nIOIS16 indicates that a 16 bit or odd byte only operation can be performed at the addressed port.

When an 8-bit PC/104 add-on board is fitted, and a CompactFlash card is inserted, the PXA255 PCMCIA nIOIS16 signal will only ever see a 16-bit interface, even when a PC/104 add-on board signals that it is an 8-bit interface.

To overcome this problem it is necessary for Eurotech Ltd to reprogram the VIPER CPLD. This is not possible at customer premises.

Please contact Eurotech Ltd to return your VIPER if the CompactFlash and PC/104 interfaces are required for your application. To ascertain if your VIPER has been modified to correct this issue, please check if mod box E has been checked. The mod boxes are located on the bottom side of the board underneath PL3

If you have any questions about this or about any of our products please contact Eurotech Ltd Technical Support.

Will Frazer
Technical Support Manager