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Subject:	**MC224 – Updated CANbus Port**

Technical Bulletin

Background

The Infineon CAN chip used in the Trio Motion Coordinator product line is ending production. This means that we have had to design-in a new CAN chip from OKI as a replacement. As part of our continuing product update, the MC224 has now been re-designed to use the new OKI chip.

Products Affected

MC224 *Motion Coordinators* with serial numbers **P170-00933** and upwards, due for shipment end of October 2006.

Differences from earlier MC224s

The new CAN chip requires the Trio BASIC **CAN** command to specify the direction of bus traffic when initialising a CANbus buffer. This is already described in Technical Reference Manuals 6.5 and 6.6 and its use is the same as on the MC206X.

There is no change to operation of the Trio CAN IO modules with the MC224 as the system software takes care of the data directions automatically.

MC224s in the serial number range P170-00933 and above MUST use system software version **1.6517** or later.

Actions required to implement the change

Most MC224 applications will not require any changes in order to continue working on the latest MC224s. There are some exceptions which should be managed by suitable cooperation between the Customer, Distributor and Trio.

- Customers who's programs use the CAN command will need to review their programs. This includes those who use CanOpen and DeviceNet routines written in BASIC. Note: The DEVICENET command is not affected by the change.

- Customers who have validated their machine on an earlier version of system software may need to re-validate using the later V1.6517 version.

Please contact Trio's technical support team for further information, or for assistance with customers' specific issues associated with this change.