



## Product Change Notification

**PCN7432021-53289-5**

Dear Customer,

Information for your attention:  
Please find attached our Parker Hannifin PCN:

### IQAN-MD4 hardware update

**SUBJECT OF CHANGE:** Hardware updates requiring attention to software versions.

**PRODUCT AFFECTED:**

IQAN-MD4-5-T1E2-M19	part no.: 20085164
IQAN-MD4-7	part no.: 20077771
IQAN-MD4-10	part no.: 20077774

**REASON FOR CHANGE:**

1. End of life on co-processor used for CAN C and D, new co-processor for CAN C and D require new firmware.
2. Improve margins on MD4 ESD protection.

### DESCRIPTION:

New co-processor for CAN C and D require new firmware.  
This firmware is designed to be backwards compatible with earlier versions of IQAN-MD4 software, down to version 4.07.

Compatibility	Previous minimum SW version	NEW minimum SW version
MD4-10	3.16	4.07
MD4-7	4.07 (do not use 4.07.7)	
MD4-5-T1E2-M19	5.05	

The first released version of the co-processor firmware (2.03) contained a bug that could cause errors on CAN-C/D. IQANdesign **6.08.28** included a new firmware (2.04) for the co-processor that solved this issue. To upgrade, send an application saved in IQANdesign 6.08.28 or newer to the IQAN-MD4.  
IQANdesign **6.08.30** upgrades co-processor firmware to ccCAN **2.05**, solving two remaining problems that affected some applications, see [Release notes - IQANdesign 6](#)

After upgrading co-processor firmware, the MD4 can be downgraded to earlier versions, down to minimum SW version.  
The co-processor firmware version (ccCAN) is visible in the MD4 menu system only when using 6.08.30 and newer.



# Parker Hannifin EMC/ECBU

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**TIME SCHEDULE:** US, modules shipped with 2.03, starting SN 2247040001 (action required)  
US, modules shipped with 2.04, starting SN 2302040001  
US, modules shipped with 2.05, starting SN 2327040001  
EU, modules shipped with 2.04 MD4-10, starting SN 2303230001  
EU, modules shipped with 2.04 MD4-5, starting SN 2308230025  
EU, modules shipped with 2.04 MD4-7, starting SN 2310230178  
EU, modules shipped with 2.05, starting SN 2329230001

**ASSESSMENT:** Firmware bugs:  
First batch of modules need one-time field update, using application from **IQANdesign 6.08.28 or newer**. Afterwards modules can be downgraded to older IQANdesign versions.

Some applications will also need an update to co-processor firmware version 2.05, using from **IQANdesign 6.08.30 or newer**. Afterwards modules can be downgraded to older IQANdesign versions.

Bitrate 50kpbs not supported.

Changed *minimum SW version* on MD4-10 to 4.07, the oldest version the module can be downgraded to. No change of minimum SW version on MD4-7 or MD4-5-M19.

Improved margins on ESD protection, no change in specified test levels.

No other impact on form, fit, function, quality, or reliability of the products affected.

**DOCUMENT HISTORY:** 2023-09-21 Added SN modules shipped with ccCAN 2.05  
2023-05-05 Update about firmware problem solved by 2.05  
2023-01-11 Updated with US SN modules shipped with 2.04  
2023-01-04 Information about firmware problem in 2.03. First US SN.  
2021-06-08 First edition.

If you have any questions, please do not hesitate to contact your local Sales office.