

13F, No. 3, Sec. 4, New Taipei Blvd., Xinzhuang Dist. New Taipei City 242032, Taiwan, R.O.C.

Tel: +886-2-8919-1230 Fax: +886-2-8522-8623 www.moxa.com

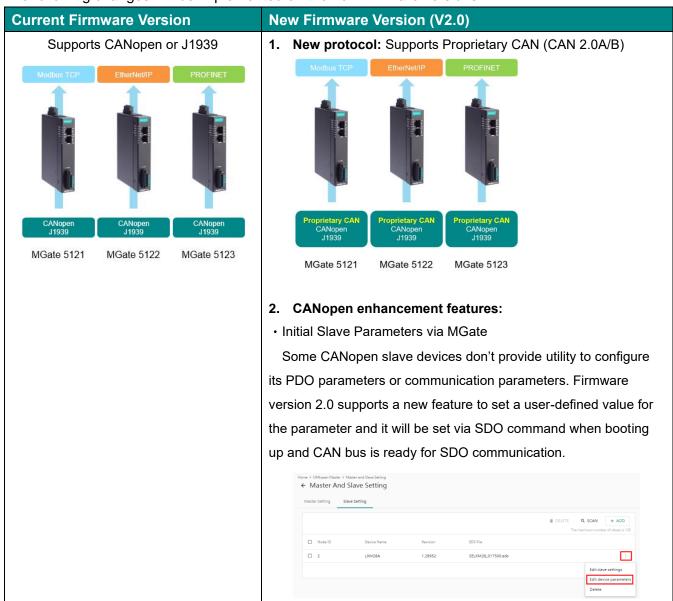
Product Change Notification—PCN# **PCN001093**January 10, 2025

Dear Valued Customer,

We would like to inform you that Moxa is going to make changes to the MGate 5121 Series, MGate 5122 Series, and MGate 5123 Series. These changes will be available for download by January 15, 2025. Please review the details below to determine how these changes will affect your products and/or operations.

What will change?

The following changes will be implemented on the new firmware versions:



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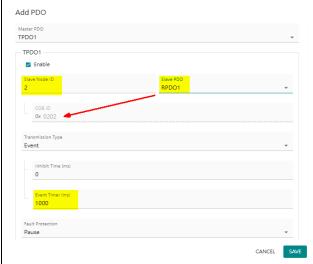
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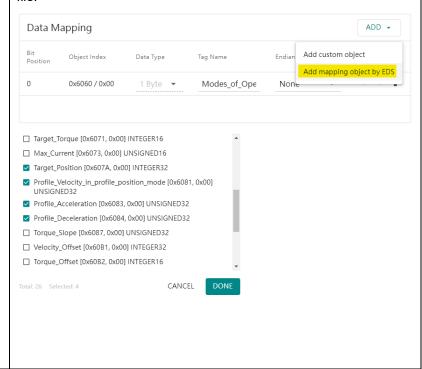


· Intuitive PDO Configuration

The COB ID is generated automatically with slave ID and PDO number; no need to check COB ID table by user.



Also, quick mapping by selecting parameters from the slave EDS file.



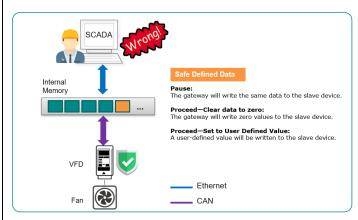
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• Fault Protection for CANopen and Proprietary CAN (CAN 2.0 A/B)



• Data Endian Swap for CANopen and Proprietary CAN (CAN 2.0 A/B)

Swapping the data. The item may change with different tag types or lengths for raw data type.

None: No swap

Byte swap: Switch the order of bytes.

 $0x11\ 22\ 33\ 44\ 55\ 66\ 77\ 88 \rightarrow 0x22\ 11\ 44\ 33\ 66\ 55\ 88\ 77$

Reverse: Reverse the order of bytes.

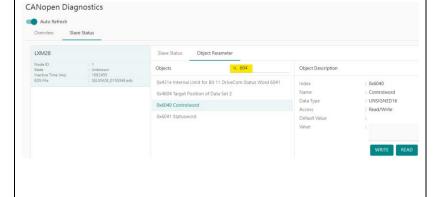
0x11 22 33 44 55 66 77 88 → 0x88 77 66 55 44 33 22 11

Reverse with byte swap: Reverse the order of bytes first; then,

switch the order of bytes.

 $0x11 22 33 44 55 66 77 88 \rightarrow 0x77 88 55 66 33 44 11 22$

Fast Object Search in CANopen Diagnostics



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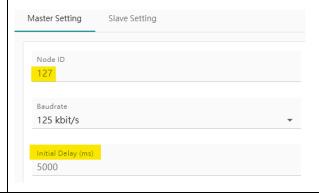
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• CANopen ID Change Default From 1 to 127 Most CAN devices use lower Node ID. So this version adjusts the MGate default ID to 127 to avoid changing the MGate ID every

· CANopen/Proprietary CAN(CAN 2.0A/B) Initial Delay Time

To allow more flexibility with some legacy CAN devices, which take more time to boot up.



Which products will be affected?

Product Name	Current Firmware Version	New Firmware Version
MGate 5121 Series	V1.0.0	V2.0.0
MGate 5122 Series	V1.0.0	V2.0.0
MGate 5123 Series	V1.0.0	V2.0.0

When will the new firmware versions be available?

Product Name	New Version	Available for download
MGate 5121 Series	V2.0.0	By January 15, 2025
		https://www.moxa.com/en/products/industrial-edge-connectivity/protocol-
		gateways/modbus-tcp-gateways/mgate-5121-series#resources
MGate 5122 Series	V2.0.0	By January 15, 2025
		https://www.moxa.com/en/products/industrial-edge-connectivity/protocol-
		gateways/ethernet-ip-gateways/mgate-5122-series#resources
MGate 5123 Series	V2.0.0	By January 15, 2025
		https://www.moxa.com/en/products/industrial-edge-connectivity/protocol-
		gateways/profinet-gateways/mgate-5123-series#resources

If you have any questions, please contact KS Hsu at <u>ks.hsu@moxa.com</u>, or contact your regional sales representative.

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