MOTORTECH®

▮ Product Update

IS-BIN16/8

Product Discontinuation and Follow up Product

MOTORTECH announced the discontinuation of the IS-BIN16/8 Input/output extension module. Available: until **March 31, 2022,** depending on remaining stock. Last order possibilities of the device are given until **December 31, 2021**.

The Follow up Product of the IS-BIN16/8 Input/output extension module is the **Inteli IO8/8 extension module**.

General Features and Benefits

The extension module Inteli IO8/8 offers users more binary inputs and outputs for MOTORTECH All-In-One Controller.

The unit offers the flexibility to configure

- ▮ 8 binary inputs, 8 binary outputs or
- ▮ 16 binary inputs, 0 binary outputs

via switches inside the controller.

This product provides additional 2 analog outputs.
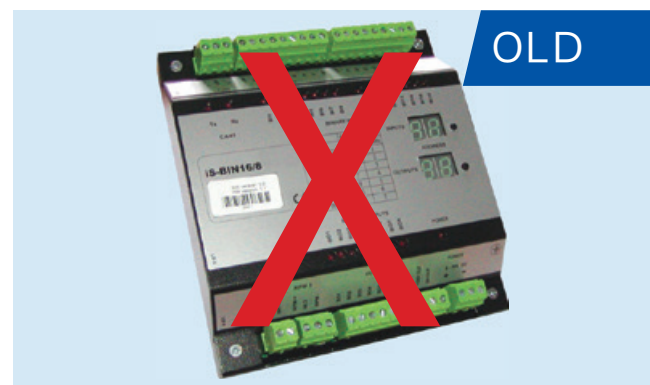
Compatibility IO8/8 with AIO controllers

- ▮ ALL-IN-ONE.NTC (63.50.104) can handle up to 12 modules in configuration 8/8 and 6 modules in configuration 16/0.
- ▮ ALL-IN-ONE.GAS (63.50.096) can handle up to 15 modules in configuration 8/8 and 8 modules in configuration 16/0.
- ▮ InteliMainsNT can handle up to 12 modules in configuration 8/8 and 6 modules in configuration 16/0.

Direct replacement

If an existing IS-BIN16/8 is replaced by an IO8/8 there need to be consideration on the following topics:

1. A replace requires a new configuration of the module in the GenConfig controller software.
2. Implementing the new module needs a recommissioning of the I/O settings, protection and history.
3. PLC structures affected by the modules in- and outputs need a complete new setup.
4. Display screens may need a makeover.

IS-BIN16/8 Input/output extension module

OLD

Extension Module Inteli IO8/8

NEW

Ordering Information

P/N	Supersedes	Description
63.50.118 [1]	63.50.005	Input/output extension module – IO8/8

[1] The IO8/8 module is not a 1:1 replacement from the BIN16/8 module. To replace 1x BIN16/8, the total number of binary signals must be taken into consideration to decide if 1x IO8/8 is enough or if 2x IO8/8 are necessary.

DISTRIBUTION

Customers / others	Yes
Representatives and Sales Partners	Yes
OEM partners	Yes
MOTORTECH subsidiaries	Yes

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■ Product Update

+ **NEW**

Technical data and comparison

	Input/output extension module IS-BIN16/8	Extension module Inteli IO8/8
P/N	63.50.005	63.50.118
Dimensions	146 mm x 160 mm x 46 mm (37.1 in x 40.6 in x 11.7 in)	110 mm x 110 mm x 46 mm (27.9 in x 27.9 in x 11.7 in)
Interface to controller	CAN1	CAN1 (galvanic separated)
Number of inputs (binary)	8+8	8
Input resistance	3000 Ohm	4400 Ohm
Pick up input	RPM1 magnetic pickup RPM2 contact or active sensor	–
Minimal pulse width	10 ms, integration mode	
Maximum measured frequency	60 Hz, integration mode	
Number of outputs (binary)	8	8 (max. current: 500 mA, 36 V DC)
Number of outputs (analog)	–	2 configurable (0-10V, 0-20mA, PWM)
Power supply	8 to 36V DC	8 to 36V DC
Protection class	IP20	IP20
Operating temperature	-30º C – 70º C	-30º C – 70ºC
LED	2 with blink code	8/8 for input/output indication
Firmware compatibility AIO.NT/NTC controller	from version IS-NT-AFR 1.0 (released in 200 6) up to version IS-NT-AFR 2.6 (released in 201 8)	from version IS-NT-AFR 2.2 (released 201 4) up to version IS-NT-AFR 2.6 (released in 201 8)
Firmware compatibility AIO.GAS controller	from version AIO.GAS 1.0.0.1 (201 7) up to version AIO.GAS AFR 1.5.0.5	from version AIO.GAS 1.0.0.1 (201 7) up to version AIO.GAS AFR 1.5.0.5

Module is possible to configure (by switch on board) to two configurations

1) Configuration 8/8

- 8 Binary inputs (options: pull up or pull down logic)
- 8 Binary outputs (options: Low side switch (LSS) or High side switch (HSS))
- 2 Analog outputs (options: voltage (0-10V), current (0-20mA) and PWM (5V, adjustable frequency 200Hz – 2,4kHz))

2) Configuration 16/0

- 16 Binary inputs (options: pull up or pull down)
- 0 Binary outputs
- 2 Analog outputs (options: voltage (0-10V), current (0-20mA) and PWM (5 V, adjustable frequency 200Hz–2,4kHz))
- LED indication of each Binary input/output
- Safety function of Binary output: Regular reading of the real state of the Binary output
- All settings are carried onboard switch or electronically (No jumpers)

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