



EtherCAT[®] Digital I/O Modules

- > Powerful Digital I/O Modules For EtherCAT Network
- > Up to 32 Inputs and 32 Outputs
- > Compact and Cost effective

The IOM_{NT} line of EtherCAT digital I/O modules offer an economical and compact design with up to 32 inputs and 32 outputs (24Vdc/0.5A each) with minimal power dissipation. There are four 20-pin connectors, one per 16 channels. It enables secure connection of plug connectors using insulation displacement contact, such as ribbon cables, thus significantly simplifying the wiring of many I/Os. 64 LEDs display the logical states of the inputs and outputs.

Specifications

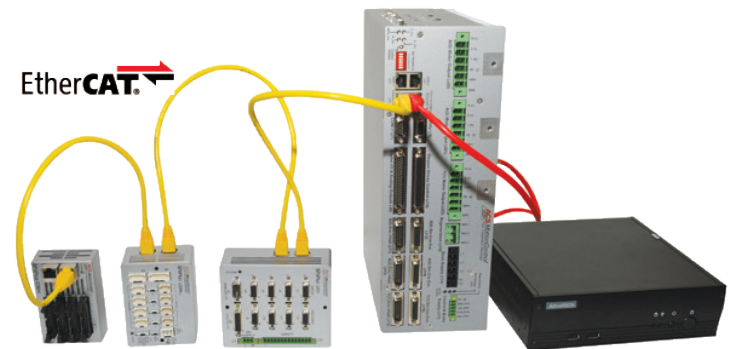
Inputs	Outputs		
Number of inputs and output	8/8, 16/16, 32/16, 32/32		
Nominal voltage	24 V (-15%/+20%)	Rated load voltage	24 V DC (-15%/+20%)
"0" signal voltage	0 to 5V	Load type	Resistive, inductive, lamp load
"1" signal voltage & current	11 to 30V, 2.0...3.0 mA	Max. output current	0.5 A (short-circuit-proof) per channel. Total current per module is up to 16A.
Input filter	~10 µs	Short circuit current	Between 0.6A to 1.5A
Electrical isolation	500 Vrms (EtherCAT/field potential)		
	Reverse voltage protection	No	
Operating/ storage temperature	0...+55°C/-25...+85°C		
Relative humidity	95%, no condensation		
Vibration/shock resistance	conforms to EN 60068-2-6/EN 60068-2-27/29		
EMC immunity/emmission	conforms to EN 61000-6-2/EN 61000-6-4		
Protection class	IP 20		
Weight	205 gr.		
Dimensions	101 x 65.5 x 59 mm ³		

The IOM_{NT} line includes the following modules:

- > IOM_{NT}-8-8: 8 inputs and 8 outputs
- > IOM_{NT}-16-16: 16 inputs and 16 outputs
- > IOM_{NT}-32-16: 32 inputs and 16 outputs
- > IOM_{NT}-32-32: 32 inputs and 32 outputs

Certifications

CE: Yes
EMC: EN 61326-1



Ordering Options

Ordering Options	Field	Example User Selection	Values
Number of Digital Inputs & Output	1	32-32	Inputs-Outputs: 8-8, 16-16, 32-16, 32-32
Number of Analog Inputs & Outputs	2	00-00	Inputs-Outputs:00-00
Master	3	01	01- Any ACS EtherCAT Master

Example: IOM_{nt}-32-32-00-00-01

Field	1	2	3
PN	IOM _{nt}	32-32	00-00 01

The control supply mating connector is included with the module.

CE

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