

AGIO101

AGIO102

The AGIO is a series of Central-i remote I/O modules. They are used to expand the number of I/O interfaces in the Central-i network.

Since all the I/O modules are updated at the master controller every sampling cycle, there is no difference between connecting, for example, an axis limit sensor to the axis amplifier's digital input or to a separate AGIO module. The master controller receives the AGIO digital input signal at the same time as the AGA amplifier's digital input, at 61 micro-second interval.

Most of the inputs are configurable to connect NPN or PNP sensors. And most of the outputs are software configurable to sink or source current. Typically, each output can sink down to 500mA and source up to 300mA of current. This is sufficient to drive most relays and solenoids directly.



### General Specifications

Description	AGIO01-CI-1608	AGIO02-CI-3216
Communication	Central-i	
Power Supply	9 to 36VDC	
Sampling Rate	16 KHz	
Differential Bi-Directional I/O	3	
Isolated inputs <sup>1</sup>	16	32
Isolated outputs <sup>2</sup>	8	16
Analog inputs	4 (12-bit resolution)	4 (12-bit resolution)
Analog outputs	0	2 (16-bit resolution)

<sup>1</sup> Note 1: Digital isolated input can be configured as NPN or PNP, in groups of 3 or 4.

<sup>2</sup> Note 2: Digital isolated output can sink down to 500mA or source up to 300mA.

## Ordering Information

Product Part Number	Description	Optional Accessories	Accessories Description
<b>AGI001-CI-1608</b>	Central-i remote I/O module - 16 Input, 8 Output	AGI001-CI-CK	AGI001-CI Connector Kit
<b>AGI002-CI-3216</b>	Central-i remote I/O module - 32 Input, 16 Output	AGI002-CI-CK	AGI002-CI Connector Kit