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BRDGETHC01-1

EtherCAT Gateway

32 Digital Input, 32 Digital Output,
4 Analog Input, 4 Analog output,
6 Pulse/Direction Output,
6 Feedback Encoder Input,
1 Handwheel Input

Reduced Data sheet

Version: 1

Date: 10.02.2026



All that technology can do

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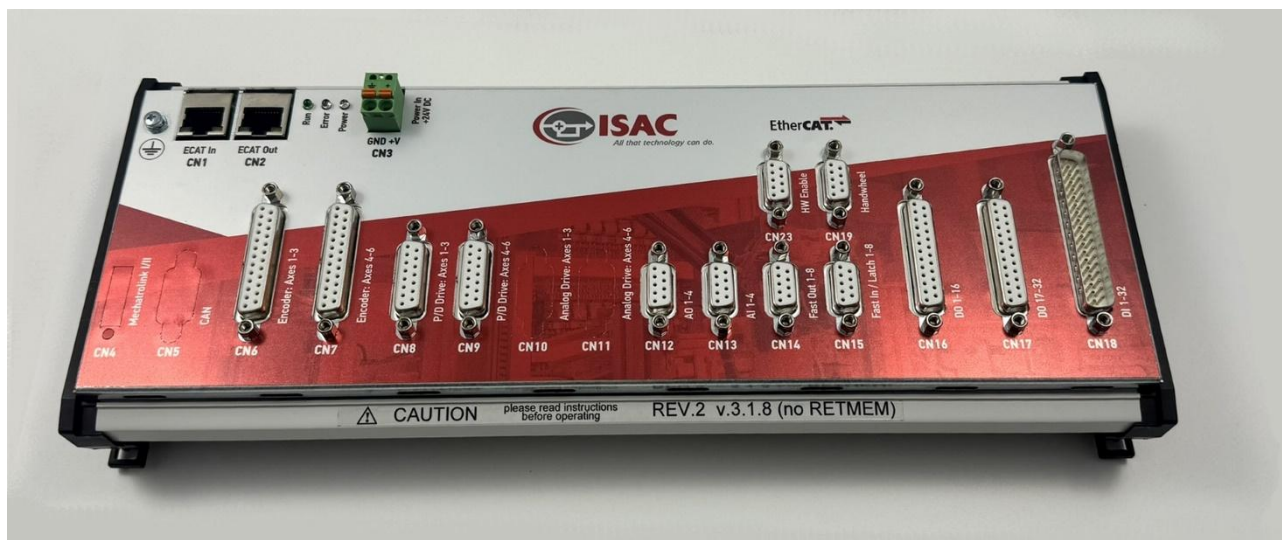


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Overview



This device is a EtherCAT slave needed to connect Costantino or Traiano Central Units to 6 servo drivers with p/d interface o stepper amplifiers, position feedback via Encoder with TTL, a full set of PnP Digital Inputs, PnP Digital Outputs, Analog Inputs, Analog Outputs,

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Part Number

Code

Code	Description	Axes Interfaces	IO Interfaces
BRDGETHC01-1	Gateway Digital and Analog Input/Output, pls/dir output with feedback encoder input	No.6 Pulse/Direction Outputs; No.6 ABZ Incr. Encoder Input.	No.32 digital input No 32 digital output No.4 analog input No.4 analog output No.1 hanwheel input

Product status

Item	Value
Status	Obsolete: producible but no changes
In production from:	Jan 2013

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Technical data summary

Power Management	
Nominal Input Voltage	24Vdc
Electrical Protection	Reverse Polarity Overload Overvoltage
Field Bus	
Port Number	2 (1 x EtherCAT Input, 1 x EtherCAT Output)
Protocol	EtherCAT
Bus Connectors	RJ45 shielded
Max cable length	100mt
Supported Services	CoE (CAN over EtherCAT), FoE (File over EtherCAT), VoE (Vendor Specific over EtherCAT) DC or Free Run
Compatibility	Master EtherCAT ISAC
Operative/Storage Temperature and Moisture	
Operative Temp	0 ... 50 °C
Storage Temp.	-10 ... 70 °C
Moisture	Up to 90%
Protection degree	IP20
I/O Interfaces	
Digital Input	No.32 channels optoisolated p-type
Digital Output	No.32 channels up to 2A Mosfet p-type

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Fast Digital Input	No.8 multifunctional channels p-type (latch, counter, handwheel, digital inputs)
Fast Digital Output	No.2 multifunctional channels p-type (digital outputs, raster outputs) No.6 digital channels p-type
Analog Input	No.4 channels -10V/+10V resolution 12bit
Analog Output	No.4 channels -10/+10V resolution 12bit
Handwheel Input	No.1 channel
Watchdog Hardware Enable	N.O. (Normally Open) Relay Clean Contact 1A/30V
Axes Interfaces	
Pulse Train Output	No 6 channels Differential line driver Pulse + Direction according to standard RS-422. Maximum Pulse Frequency 1MHz
Incremental Encoder Input	No. 6 channels TTL Differential Square Wave Maximum Pulse Frequency 1MHz
Hardware Diagnostic	
Power Supply	Blue LED
Device Status	Green LED
Device Error	Red LED
Mounting	
Mounting	DIN 35mm standard EN 60715
Weight	920 gr.

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Certifications

Certification	Description
CE	EU Declaration of Conformity: EMC Directive 2014/30/UE Standards used: EN 61000-6-2:2019 EN 61000-6-4:2019
RoHS	Declaration of Conformity: RoHS Directive 2011/65/EU
Origin	Italy
CRA	Yes (pending)



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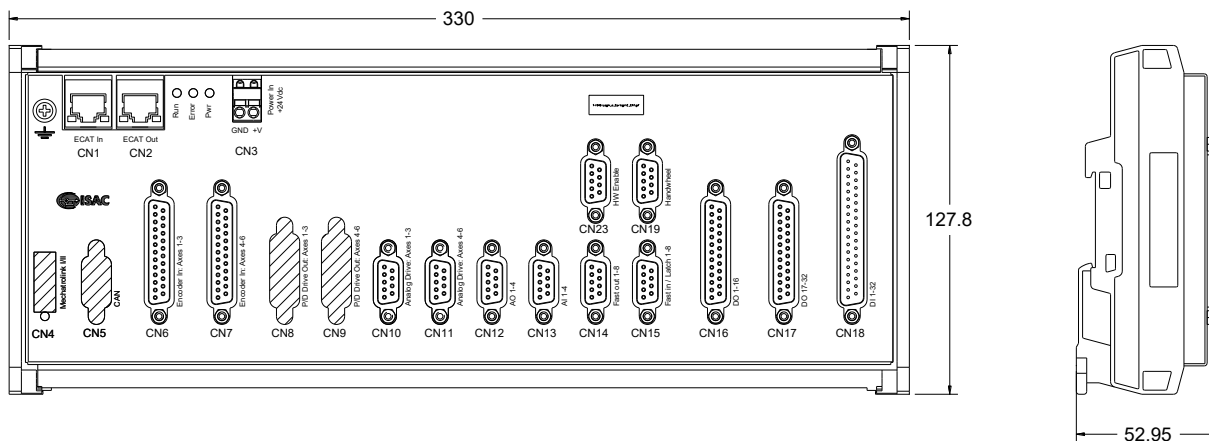
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Layout and dimension

Height	128 mm
Width	330 mm
Depth	50 mm



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Reference documents

Full data sheet: BRDGETHCxx