

Specifications

Item	AC702-INT	AC703-INT
Processor	Intel Celeron, 2.0 GHz	
Memory	4G DDR3, 64G mSATA SSD, 64M SPI Flash	
Display	DI/DO status, fault code, SSD drive activity, running status, CPU usage	
RJ45	1×EtherCAT, 2×Ethernet	
Serial	1×RS485, 1×RS232	
DI/DO	8×High Speed inputs (200 kHz), 4×High Speed outputs (200 kHz)	
Power supply	24V DC (-15%~20%)	
Backup	No extra UPS, built-in design for Safe Shut-Down	
System software	Full support for PLCopen	
	Inovance InoProShop based on CODESYS®	
	PLCopen/SoftMotion with CODESYS Runtime, supporting all motion control functions such as PLCopen/CAM/CNC/ROBOT	
Motion control performance	32 axes at 1 ms period	
	Max. 16 axes, 128 slaves	Max. 32 axes, 128 slaves
Bit command execution time	4.6ns	4.6ns
Word command execution time	4.4ns	4.4ns
Float command execution time	4.7ns	4.7ns
Integer arithmetic (average)	4.7ns	4.7ns
Float arithmetic (average)	5.0ns	5.0ns
Ethernet protocol	EtherNet/IP (scanner and adapter), OPC UA (server), Modbus TCP (master/slave)	
Cooling fan	Fanless natural cooling	
EMC standard	EN61131-2 Zone B, EN61000-6-2, EN61000-6-4	
Ambient temperature	Operation: -5°C to 55°C Transportation and storage: -25°C to 70°C	
IP rating	IP20	
Dimensions (W×H×D)	55mm×160mm×147mm	
Mass	1.3kg	

For more information, please contact our local offices.



Scan the QR code for more information of AC700;
For more information, please contact our local offices.



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INOVANCE

AC700 Series
X86 Motion Controllers

Reliable precision for sophisticated industrial demands



X86 architecture powered
by Celeron series CPU



CODESYS
Codesys based platform



Remote commissioning
& industrial IoT



Product features

High performance

- 32 axes at 1 ms EtherCAT period
- EtherCAT I/O expansion:
 - Up to 128 EtherCAT remote I/O modules*
 - Adapted with GL&GR series units

Flexible communications

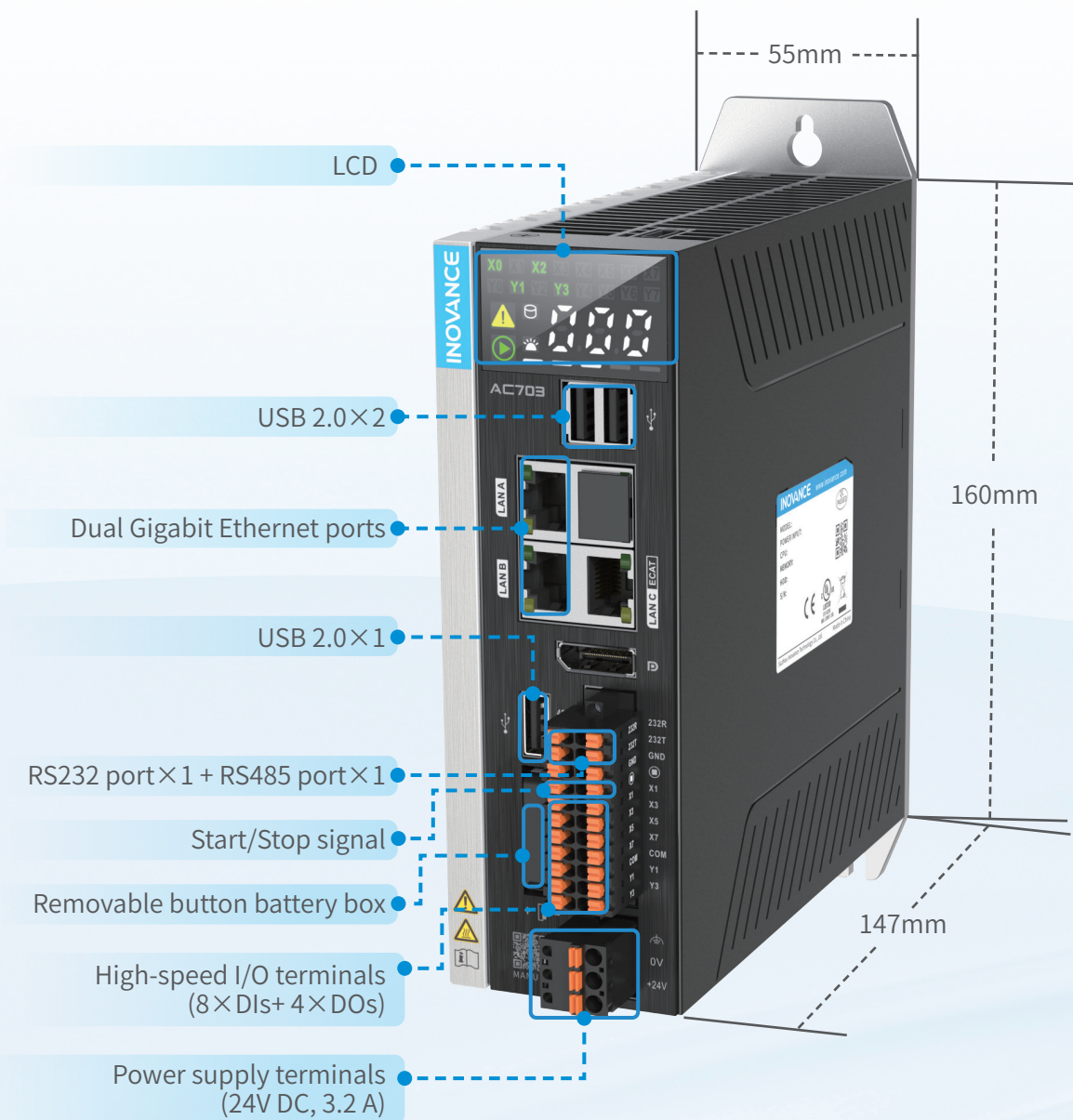
- Multi-layer networking due to support for multiple communication protocols including:
 - OPC UA
 - EtherNet/IP
 - EtherCAT
 - Modbus TCP
- Built-in RS485/232 serial communication, compatible with legacy equipment

Standard programming

- Fully standard IEC 61131-3 programming:
 - ST, LD, SFC, CFC
- Codesys based components:
 - PLCopen, CAM, CNC, and ROBOT motion control

Comprehensive functionality

- Remote commissioning and industrial IoT capabilities
- Embedded Webvisu server
- EOE support with Inovance drives



System overview

