INOVANCE

H5U Series

High performance, compact, EtherCAT-enabled PLC

- Compact footprint
- PLCopen-compliant axis control
- Simulation mode for offline debugging
- Real-time fieldbus

EtherCAT®

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CE

H5U: high performance PLC

Programming

- Supports function block and function for encapsulation, code reusability, and scalability
- Efficient and easy-to-use ladder diagram programming, supporting graphic block instructions
- User-defined variable programming with intuitive programming input assistant

Motion control

- EtherCAT: 32-axis PTP motion control
- PLCopen-compliant axis control
- Local pulse and EtherCAT axis share the same motion control instructions
- Axis group for lineal and circular interpolation
- CAM tables functionality
- 4 x high speed pulse output channels, to control stepper motors
- Able to control servo drive via CANopen

Communications

- Supports 72 EtherCAT slaves
- 1 CAN interface: CANopen and CANlink master/slave
- 1 RS485 interface: Modbus RTU master/slave
- 1 Ethernet connection supports Modbus TCP and socket programming instructions

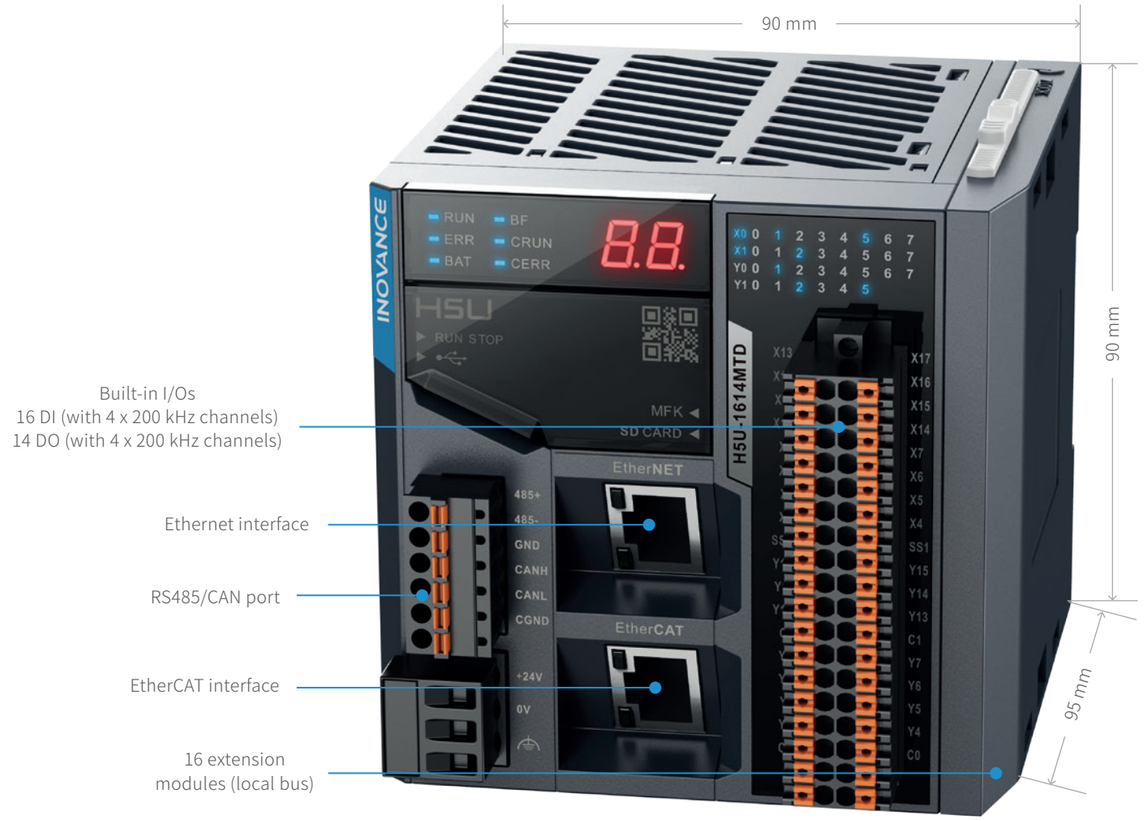
I/O configuration

- Main unit with 16 inputs and 14 outputs, including high-speed I/Os
- Supports up to 16 GL10 (AM600 series) local expansion modules
- Remote GR10 I/O modules can be connected as EtherCAT slaves

  Please note: refer to AM600 catalogue for more detail about our remote I/O modules

Commissioning

- Simulation mode
  - PLC programs
  - Axis control
  - Local I/O
  - Serial and Ethernet comms
- High-resolution trace tool
- Program upload/download and firmware upgrade (only available with SD card)
- Axis interface for easy test and monitoring

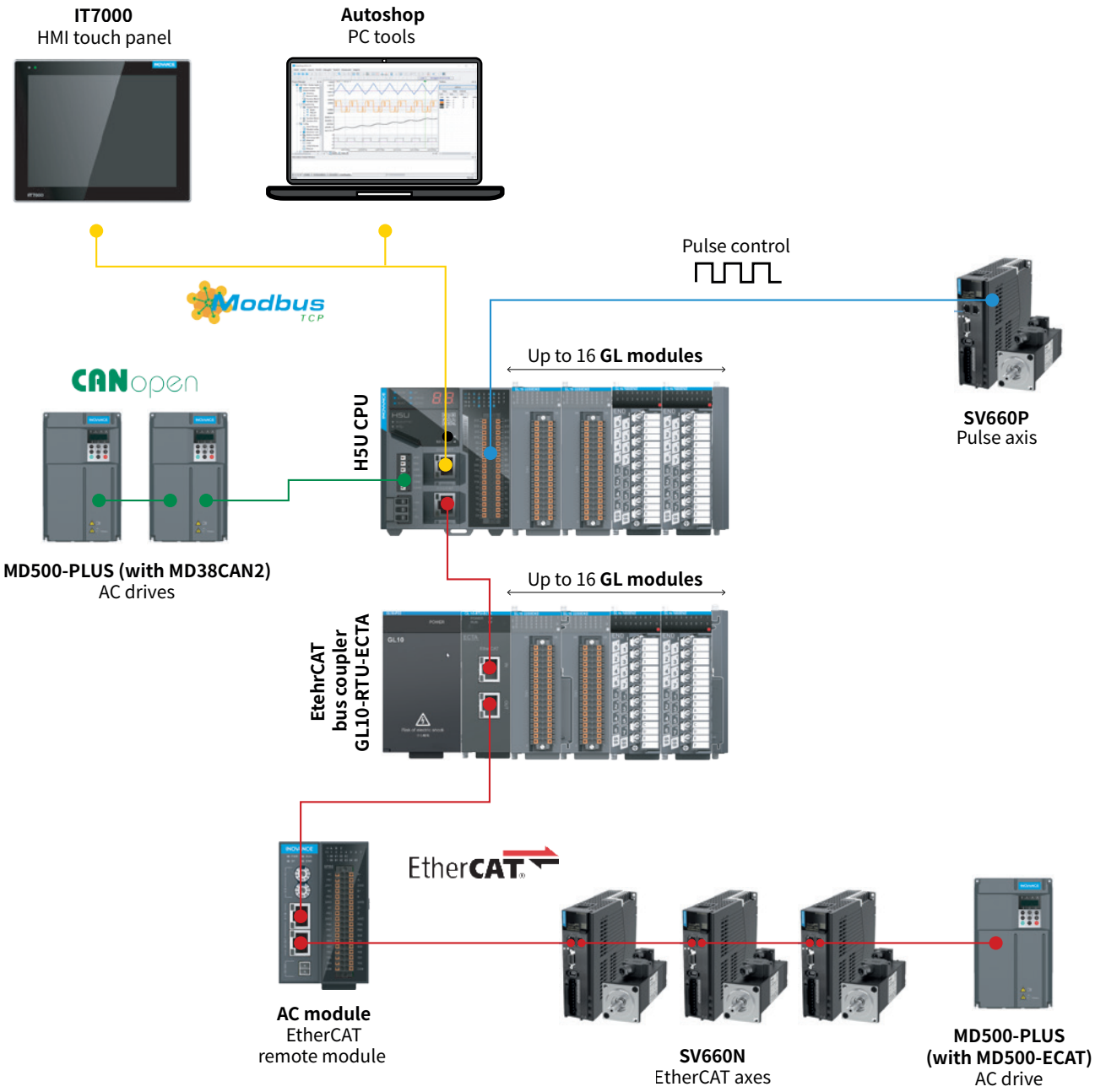


This image is illustrated in its actual size: W 90 mm x H 90 mm x D 95 mm

Model	H5U-1614MTD
Axis capacity	A total of 32 synchronised axes is possible. This can be a max. of 32 EtherCAT axes[1], or a combination that includes a max. of four pulse control axes
Communication specifications	EtherCAT: max. 72 EtherCAT slaves[2] (including synchronised axes)
	Ethernet: Modbus TCP, socket programming
	CAN: supports CANlink and CANopen (only supports CANopen for axis control)
	RS485: Modbus RTU and free communication protocol
Program capacity	200 K-step user program
Data capacity	2 MB user-defined variables, of which 256 KB supports power failure retention
	Approx. 150 KB soft elements, of which 145 KB supports power failure retention
Programming language	LD, SFC, supporting function block/ function (LD)
High-speed I/Os	4 x 200 kHz high-speed inputs (2 encoder counting)
	8 x 200 kHz high-speed outputs (4-axes pulse output)
General I/Os	16 sink (NPN)/ source (PNP) inputs and 14 sink (NPN) outputs (including high-speed I/Os)
Module expansion	16 local modules, remote modules can be connected as EtherCAT slaves
Power input	+24 VDC
Other interfaces	USB SD card
Dimensions	L x W x H = 83 mm x 95 mm x 90 mm
Ordering code	01440087

[1]Synchronised axes
[2]EtherCAT slaves include I/Os and synchronised and non-synchronised axes

H5U - application topology



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Data code: 19120149 V0.0