



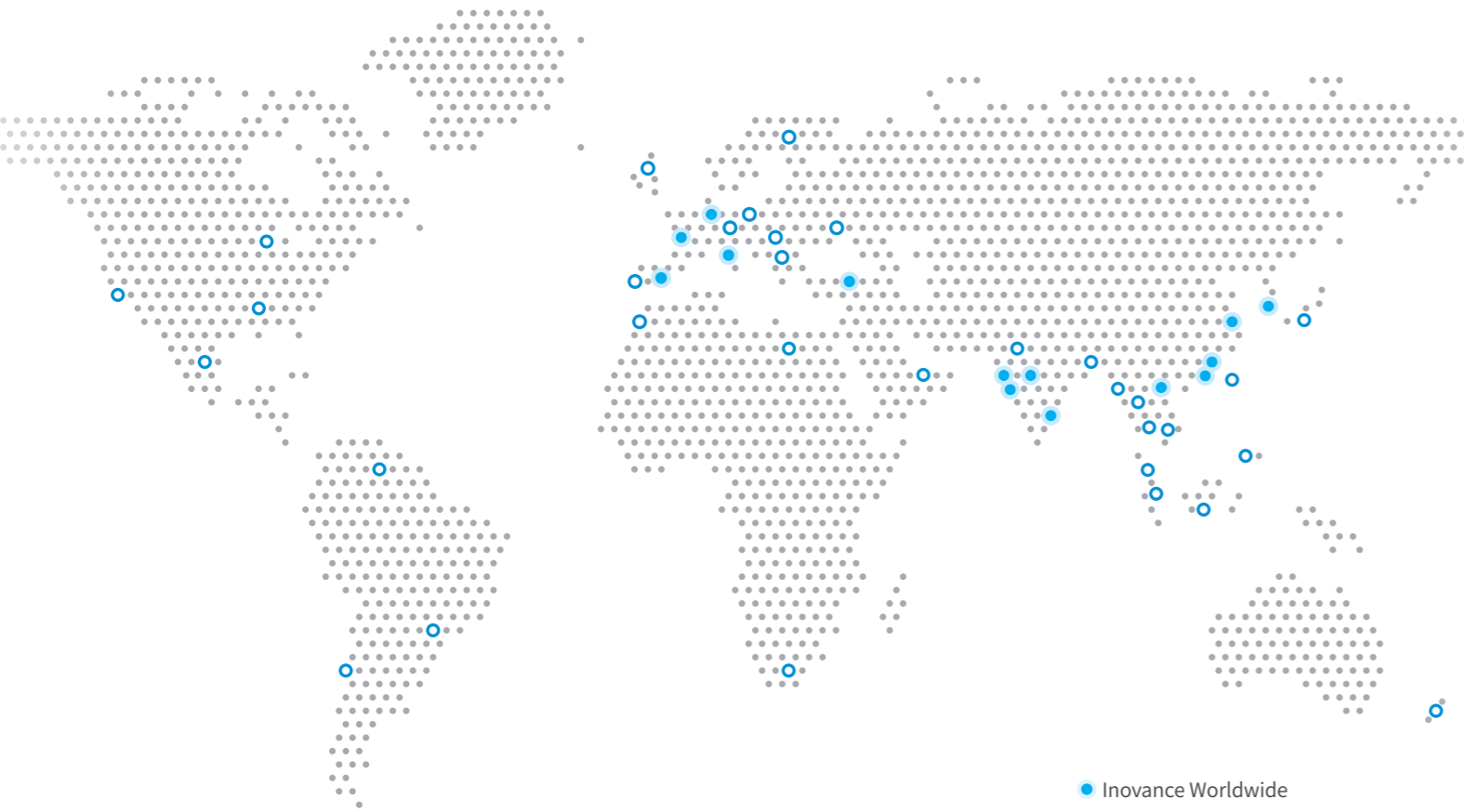
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# INOVANCE

## H3U Series PLC

High performance with motion control



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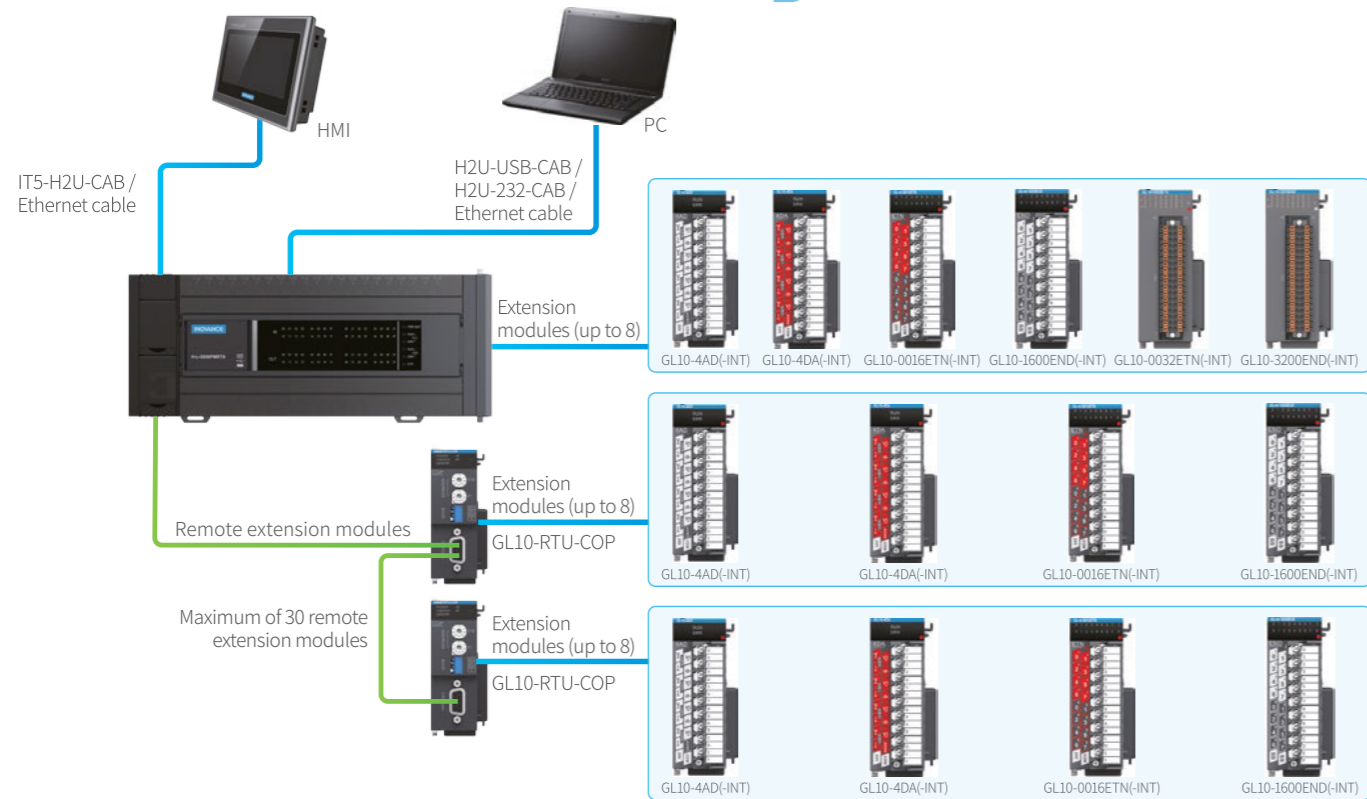
- All in one CPU and power supply supporting local and remote I/O
- Standard motion: two-axes circular and point to point interpolated
- Up to three-axes electronic cam, with flexible and easy setup
- Built-in multiple communication ports including Ethernet, CAN, serial, USB ports, supporting program download/upload via serial/USB/Ethernet ports
- Basic instruction: 100 ns/instruction
- Program capacity: 64 K steps
- High speed inputs: up to 200 kHz
- Programming language conforms to IEC 61131-3:
  - Ladder diagram (LD)
  - Instruction list (IL)
  - Sequential function chart (SFC)

CANopen

Modbus TCP

CE

# H3U - application topology



# General specifications

PLC model		H3U-1616MT-XP-INT/ H3U-2416MT-XP-INT	H3U-1616MR-XP-INT H3U-2416MR-XP-INT	H3U-3232MT-INT/ H3U-3624MT-INT	H3U-3232MR-INT/ H3U-3624MR-INT
Category		Standard motion <sup>[1]</sup>			
Dimensions	Height	[H] : 90mm		[H] : 90mm	
	Width	[W] : 170mm		[W] : 230mm	
	Depth	[D] : 90mm		[D] : 95mm	
Local extension I/O		Maximum of 128 DI/DO or 24 AD/DA, see local extension modules on page 4			
Remote extension I/O		Maximum of 7,936 DI/DO or 1,488 AD/DA, see remote extension modules on page 4			
Power supply		85V AC~264V AC			
Built-in inputs	Total inputs	16 24	16 24	32 36	32 36
	High-speed inputs	8×200kHz <sup>[2]</sup>			
Built-in outputs	Total outputs	16 16	16 16	32 24	32 24
	High-speed outputs	5×200kHz <sup>[3]</sup>		N/A	
Output type		Transistor (NPN)		Relay <sup>[4]</sup>	
Serial port		COM0 (RS422/RS485), COM1 (RS485), Modbus-RTU, DB9			
CAN port		CANopen/CANlink			
Ethernet port		Modbus TCP, RJ45			
USB (device)		Mini-B			

Note:

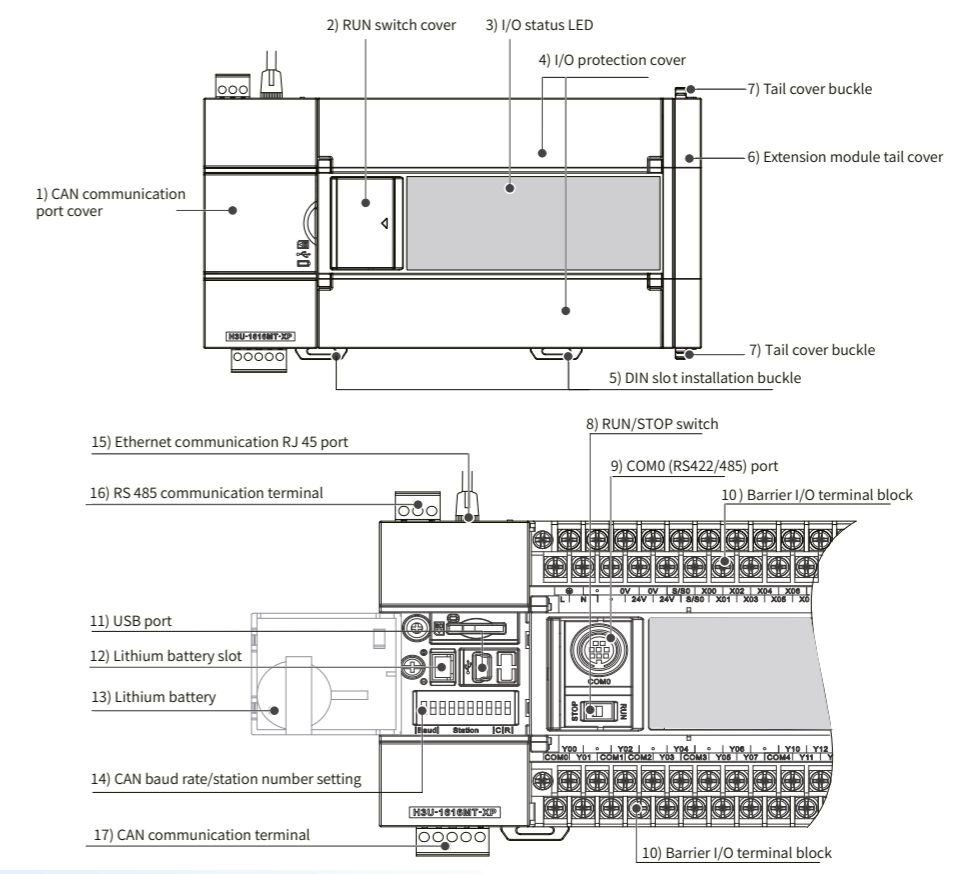
- [1] Supports two-axes circular and point to point interpolated
- [2] 8×200 kHz: 8 open-collector high-speed (pulse train) inputs
- [3] 5×200 kHz: 5 open-collector high-speed (pulse train) outputs
- [4] Maximum output current:
  - Resistive load: 2 A/1 point (maximum current of the common terminal is 8 A)
  - Inductive load: AC 220 V, 80 VA
  - Lamp load: AC 220 V, 100 W
- [5] Refer to dimensions (see following page)



Scan for more information

# Product overview

## H3U-1616MT/R-XP or H3U-2416MT/R-XP



## H3U-3232MT/R or H3U-3624MT/R

