



## Product for Field Test

Newsletter Date: 17.09.2025

### 1. Product Introduction: QP series PLC(Q0P and Q1P)

### BRAND-NEW APPEARANCE DESIGN

Powered by HCFA Design, Crafted in Canon White

**Expandable Dual-Slot Design**  
RTC, CAN, RS485, RS232 & Beyond

**Easy Installation**  
Detachable PUSH IN latching terminals for efficient equipment

**Dual Switch-Style Ethernet Ports**  
Two-port EtherNet (Unified IP management) & Built-in switching functionality

**POWER UP, COMPACT DOWN!**

New Q1P | Previous Q1      Performance increase: **1.5x!**

New Q0P | Previous Q0      Performance increase: **2x!**

• Q1P volume is reduced to less than half of the original Q1.

### SIMPLIFIED WIRING

### RAPID ASSEMBLY

### COST EFFICIENCY

**SPACE SAVING** **40%**

**Multi-Protocol / High Integration**

Supported Interfaces: 2x RS485, 2x Ethernet, 1x EtherCAT, dual BD slots, 1x Type-C and right-side expansion modules (compatible with HCQX-D4 modules)

Supported Protocols: Tag communication, OPC UA Server, TCP, UDP, HTTP and MQTT

**Performance / Capacity Upgrade**

Dual-core high-performance processor featuring a 1.5x generational performance boost

128MB program + 128MB data storage, featuring 1M persistent data memory

**Flexible & Diverse Motion Control**

8-axis 200 kHz pulse outputs | 8-channel 200 kHz pulse inputs | 8/16 bus axes

Supported Complex Motion Control: Single-axis position/-speed/torque control, electronic cam, axis grouping, and CNC

**Easy Programming / Easy Debugging**

Newly Developed IDE – HCP Works 3: Graphical, list-based, modular programming

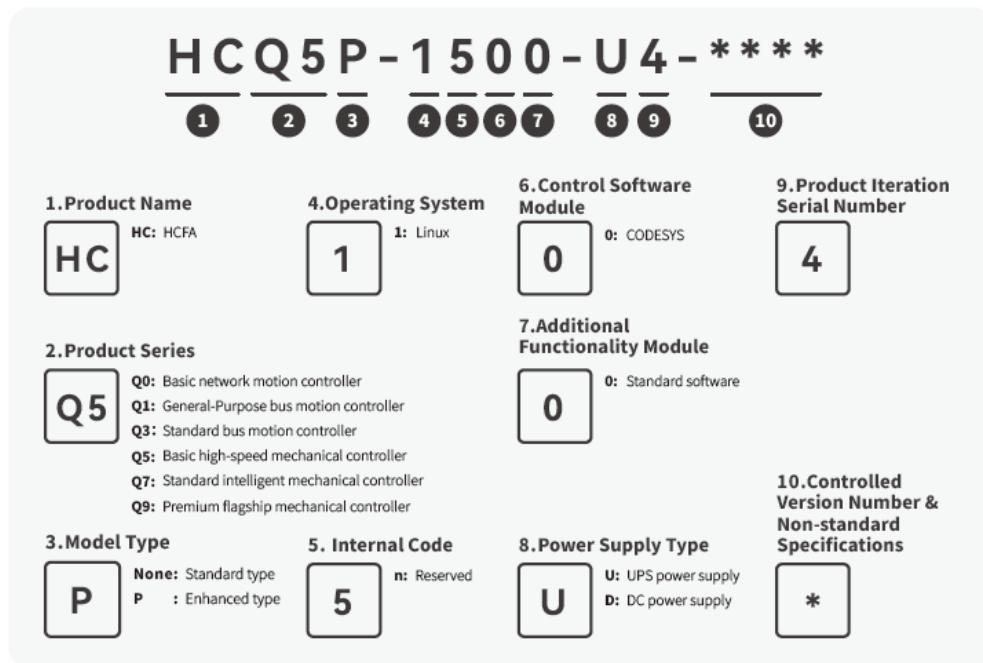
Built-in servo parameter debugging interface with online downloading and offline simulation support



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### 2. Product Specifications

#### 2.1 Naming rules



#### 2.2 QP Product Series Comparison

Model	HCQ0P-1200-D4	HCQ1P-1300-D4	HCQ3P-1400-D4	HCQ5P-1500-U4	HCQ7P-1600-U4	HCQ9P-1700-U4
Processor	ARM			Celeron	Intel i5	Intel i7
Hard Disk/RAM	8G/512M			64G/2G	64G/8G	64G/8G
Program capacity			128 MBytes			
Persistent data memory		1 MBytes			6 MBytes	
EtherCAT axis capacity (1ms)	8 axes	16 axes	32 axes	32 axes+32 axes	64 axes+64 axes	128 axes+128 axes
Pulse axis			8 axes			
Onboard I/O			16-channel input & 16-channel output			
Right-Side expansion (output power)			16W			
Power supply module		No UPS required, 24V DC input		UPS module required: HCQX-PD11-D4 (DC 24V), HCQX-PD11-A4 (AC 220V) <sup>1</sup>		
Ethernet port	100Mbps*3		1000Mbps*2 + 100Mbps*1		1000Mbps*3 + 100Mbps*1	
Monitoring protocol download			Supported			
EtherNet/IP			Scanner & Adapter modes supported			
Modbus TCP/IP			Server/Client modes supported			
OPC UA			Server mode supported			
EtherCAT		1 Port		2 Ports		
CANopen	1 Port (Optional card)			1 Port		
Serial port	2 RS485 ports			2 RS485 ports + 1 RS232 port		
USB	1 Type-C port			1 USB 2.0 port + 1 Type-C port		
SD card			1 Port			
Programming software			HCP Works3			
Programming language			LD, ST, SFC, CFC, FBD			

<sup>1</sup> This model will be released in subsequent launches.

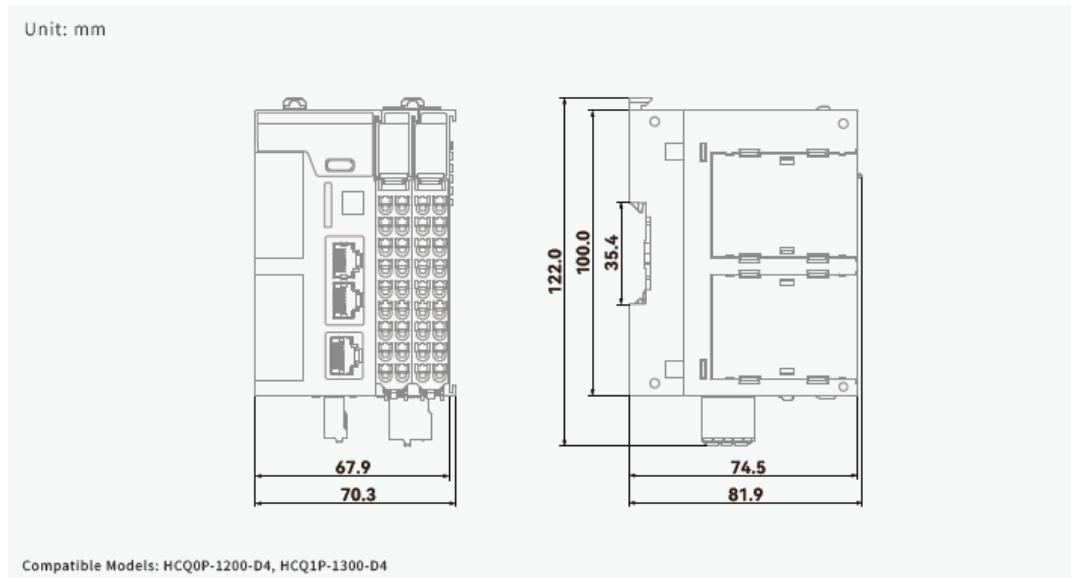


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### 2.3 Drawings



### 3. Release Model:

PLC	Model	Max. order quantity
QP series PLC	HCQ0P-1200-D4	10
	HCQ1P-1200-D4	10

