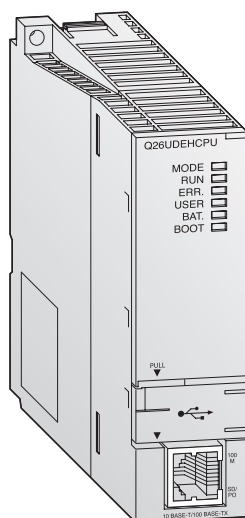


■ Universal PLC CPUs



These universal PLC CPUs are the latest generation of modular CPUs for the MELSEC System Q controller platform and they are the foundation of the iQ Platform system. They can be combined with the motion, robot and NC CPUs to configure scalable and highly flexible modular automation systems.

Special features:

- Integrated mini USB interface for programming
- Integrated Ethernet interface for efficient communication with the Q□UDEH modules
- Extremely fast bit processing, 9.5 ns
- High-speed data access
- Q□UDVCPUs enable high speed program processing
- SD memory card and SRAM cassette installable in Q□UDVCPUS

Specifications	Q00UCPU	Q00UCPU	Q01UCPU	Q02UCPU	Q03UDCPU, Q03UDECPU	Q04UDHCPU, Q04UDEHCPU	
Type	Multi processor CPU module						
I/O points	256/8192	1024/8192	1024/8192	2048/8192	4096/8192	4096/8192	
CPU self-diagnostic functions	CPU error detection, Watch Dog, battery error detection, memory error detection, program check, power supply error detection, fuse error detection						
Battery buffer	All CPU modules are fitted with a lithium-battery with a life expectancy of 5 years.						
Memory type	RAM, ROM, FLASH	RAM, ROM, FLASH	RAM, ROM, FLASH	RAM, ROM, FLASH	RAM, ROM, FLASH	RAM, ROM, FLASH	
Memory capacity	Overall	≤32 MByte	≤32 MByte	≤32 MByte	≤32 MByte	≤32 MByte	
	Max. for PLC program	10 k steps (40 kByte)	10 k steps (40 kByte)	15 k steps (60 kByte)	20 k steps (80 kByte)	30 k steps (120 kByte)	40 k steps (160 kByte)
Program cycle period	120 ns/log. instruction	80 ns/log. instruction	60 ns/log. instruction	40 ns/log. instruction	20 ns/log. instruction	9.5 ns/log. instruction	
Dimensions (WxHxD)	mm	245x98x98	27.4x98x89.3	27.4x98x89.3	27.4x98x89.3	27.4x98x89.3	
Order information	Art. no.	221575	221576	221577	207604	207605, 217899	207606, 217900

Specifications	Q06UDHCPU, Q06UDEHCPU	Q10UDHCPU, Q10UDEHCPU	Q13UDHCPU, Q13UDEHCPU	Q20UDHCPU, Q20UDEHCPU	Q26UDHCPU, Q26UDEHCPU	Q50UDEHCPU	Q100UDEHCPU	
Type	Multi processor CPU module							
I/O points	4096/8192	4096/8192	4096/8192	4096/8192	4096/8192	4096/8192	4096/8192	
CPU self-diagnostic functions	CPU error detection, Watch Dog, battery error detection, memory error detection, program check, power supply error detection, fuse error detection							
Battery buffer	All CPU modules are fitted with a lithium-battery with a life expectancy of 5 years.							
Memory type	RAM, ROM, FLASH	RAM, ROM, FLASH	RAM, ROM, FLASH	RAM, ROM, FLASH	RAM, ROM, FLASH	RAM, ROM, FLASH	RAM, ROM, FLASH	
Memory capacity	Overall	≤32 MByte	≤32 MByte	≤32 MByte	≤32 MByte	≤32 MByte	≤32 MByte	
	Max. for PLC program	60 k steps (240 kByte)	100 k steps (400 kByte)	130 k steps (520 kByte)	200 k steps (800 kByte)	260 k steps (1040 kByte)	500 k steps (2000 kByte)	1000 k steps (4000 kByte)
Program cycle period	9.5 ns/log. instruction	9.5 ns/log. instruction	9.5 ns/log. instruction	9.5 ns/log. instruction	9.5 ns/log. instruction	9.5 ns/log. instruction	9.5 ns/log. instruction	
Dimensions (WxHxD)	mm	27.4x98x89.3	27.4x98x89.3	27.4x98x89.3	27.4x98x89.3	27.4x98x115	27.4x98x115	
Order information	Art. no.	207607, 215808	221578, 221579	217619, 217901	221580, 221581	217620, 217902	242368	242368

Specifications	Q03UDVCPU	Q04UDVCPU	Q06UDVCPU	Q13UDVCPU	Q26UDVCPU	
Type	Multi processor CPU module					
I/O points	4096/8192					
CPU self-diagnostic functions	CPU error detection, Watch Dog, battery error detection, memory error detection, program check, power supply error detection, fuse error detection					
Battery buffer	All CPU modules are fitted with a lithium-battery with a life expectancy of 5 years.					
Memory type	RAM, ROM, FLASH, SD-Card, extended SRAM cassette					
Memory capacity for PLC program	30 k steps (120 kByte)	40 k steps (160 kByte)	60 k steps (240 kByte)	130 k steps (520 kByte)	260 k steps (1040 kByte)	
Program cycle period	1.9 ns/log. instruction	1.9 ns/log. instruction	1.9 ns/log. instruction	1.9 ns/log. instruction	1.9 ns/log. instruction	
Dimensions (WxHxD)	mm	27.4x98x115	27.4x98x115	27.4x98x115	27.4x98x115	
Order information	Art. no.	266161	266162	266163	266164	266165

Accessories	Q4MCA-1MBS; Q4MCA-2MBS; Q4MCA-4MBS; Q4MCA-8MBS;	1 MB memory cassette for Q□UDVCPU 2 MB memory cassette for Q□UDVCPU 3 MB memory cassette for Q□UDVCPU 4 MB memory cassette for Q□UDVCPU	Art. no. 266134; Art. no. 266155; Art. no. 266156 Art. no. 266157