

Technical data: H-CPU				
CPU	CPU 412-5H	CPU 414-5H	CPU 416-5H	CPU 417-5H
Dimensions (mm)	50x290x219			
Slots	2			
Order No. group: 6ES7	412-5HK.	414-5HM.	416-5HS.	417-5HT.
Firmware	V6.0			
<b>Work memory</b>				
Integrated	1 MB	4 MB	16 MB	32 MB
For program	0.5 MB	2 MB	6 MB	16 MB
For data	0.5 MB	2 MB	10 MB	16 MB
<b>Processing times</b>				
Bit operation	31.25 ns	18.75 ns	12.5 ns	7.5 ns
Word operation	31.25 ns	18.75 ns	12.5 ns	7.5 ns
Fixed-point operation	31.25 ns	18.75 ns	12.5 ns	7.5 ns
Floating-point operation	62.5 ns	37.5 ns	25 ns	15 ns
<b>Bit memories, timers, counters</b>				
Bit memory	8192			
S7 timers/counters	2048/2048			
IEC timers/counters	Unlimited (limited only by the work memory)			
<b>Address ranges</b>				
I/O	8192 bytes			
I/O process image	256 bytes		1 024 bytes	
<b>DP interfaces</b>				
Number of MPI/DP interfaces	1			
Number of DP interfaces	1			
Plug-in interfaces	-			
<b>PN interfaces</b>				
Number of PN interfaces	1			
PROFINET IO	Yes			
PROFINET with IRT	No			
PROFINET CBA	No			
TCP/IP	Yes			
UDP	Yes			
ISO-on-TCP (RFC 1006)	Yes			
Web server	No			
Data set gateway	Yes			