

KUKA EtherNet/IP (Implicit Messaging)

Supported Series: KR C4 COMPACT, KR C4 smallsize-2, KR C5

Website: <https://www.kuka.com/>

HMI Setting:

Parameters	Recommended	Options	Notes
PLC type	KUKA EtherNet/IP (Implicit Messaging)		
PLC I/F	Ethernet		
Port no.	44818		
Timeout	5		
Turn around delay	0 (ms)		
Requested Packet Interval	50 (ms)		
Assembly instance	Input:101 Size:64 Output:102 Size:64 Configuration: 103	Input size 0~512 Output size 0~512	

Online simulator	YES (Use UDP port 2223)
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Assembly instance:

Input: Set the device to read back the instance number of the input buffer under Assembly (0x04).

Output: Set the device to write the instance number of the output buffer under Assembly (0x04).

Size:

Input: Set the device to read back the buffer size of the input buffer under Assembly (0x04).

Output: Set the buffer size that the device writes to the output buffer under Assembly (0x04).

Device Address:

Bit/Word	Device type	Format	Range	Memo
B	Input_8Bit	DDDo	0 ~ 5117	
B	Output_8Bit	DDDo	0 ~ 5117	
W	Input	DDD	0 ~ 255	Word address
W	Input_Overflow	DDD	0 ~ 511	Byte address
Byte	Input_Byte	DDD	0 ~ 511	Byte address
W	Output	DDD	0 ~ 255	Word address
W	Output_Overflow	DDD	0 ~ 511	Byte address
Byte	Output_Byte	DDD	0 ~ 511	Byte address

Note:

Assume that the output will access the memory raw data = [00 01 02 03 04 05 06 07 08 09]

Object Output 0 -> makeword [00 01] = 1

Object Output 1 -> makeword [02 03] = 515

Object Output 2 -> makeword [04 05] = 1029

Object Output_overflow 0 -> makeword [00 01] = 1

Object Output_overflow 1 -> makeword [01 02] = 258

Object Output_overflow 2 -> makeword [02 03] = 515

Wiring Diagram:

Ethernet cable

