

# KEYENCE KV-L20V/700/1000/3000/5000/Nano Series (KV Studio Mode)

Supported series: KV-L20V, 700, 1000, 3000, 5000 series, KV Nano series

Website: <http://www.keyence.com/>

## HMI Setting:

Parameters	Recommended	Options	Notes
PLC type	KEYENCE KV-L20V/700/1000/3000/5000/Nano Series (KV Studio Mode)		
PLC I/F	RS232	RS232,RS485 2W,RS485 4W	
Baud rate	115200	9600 ~ 115200	
Data bits	8		
Parity	Even		
Stop bits	1		
PLC sta. no.	0		

Online simulator	YES	Extend address mode	NO
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## PLC Setting:

Communication mode	KV STUDIO mode
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## Device Address:

Bit/Word	Device type	Format	Range	Memo
B	MR	DDDdd	0 ~ 99915	
B	LR	DDDdd	0 ~ 99915	
B	CR	DDDdd	0 ~ 99915	
B	R	DDDdd	0 ~ 99915	
B	B	HHHh	0 ~ 3FFF	
B	T	DDDD	0 ~ 9999	
B	C	DDDD	0 ~ 9999	
B	DM_Bit	DDDDDdd	0 ~ 6553515	
B	TM_Bit	DDDDdd	0 ~ 999915	
B	CM_Bit	DDDDDdd	0 ~ 6553515	
B	CTC_Bit	Ddd	0 ~ 315	

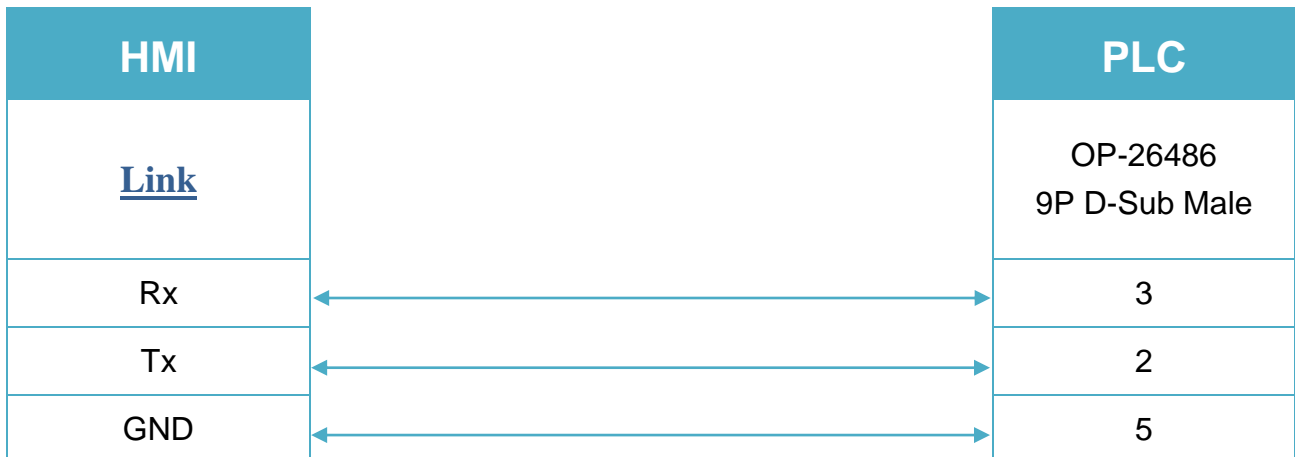
Bit/Word	Device type	Format	Range	Memo
B	W_Bit	HHHHh	0 ~ 3FFFF	
B	VM_Bit	DDDDdd	0 ~ 6553515	
B	VB_Bit	HHHh	0 ~ 3FFF	
W	DM	DDDDD	0 ~ 65535	
W	TM	DDDD	0 ~ 9999	
W	CM	DDDDD	0 ~ 65535	
W	EM	DDDDD	0 ~ 65535	
W	FM	DDDDD	0 ~ 65535	
W	MR_Word	DDD	0 ~ 999	
W	LR_Word	DDD	0 ~ 999	
W	CR_Word	DDD	0 ~ 999	
W	W	HHHH	0 ~ 3FFF	
W	VM	DDDDD	0 ~ 65535	
W	VB	HHH	0 ~ 3FFF	
W	R_Word	DDD	0 ~ 999	
W	B_Word	HHH	0 ~ 3FF	
W	TC	DDDD	0 ~ 9999	
W	TS	DDDD	0 ~ 9999	
W	CC	DDDD	0 ~ 9999	
W	CS	DDDD	0 ~ 9999	
DW	CTH	D	0 ~ 1	
DW	CTC	D	0 ~ 3	
DW	Z_DWORD	DD	1 ~ 12	

## Wiring Diagram:

### Diagram 1

#### RS-232 (OP-26486 9P RS232)

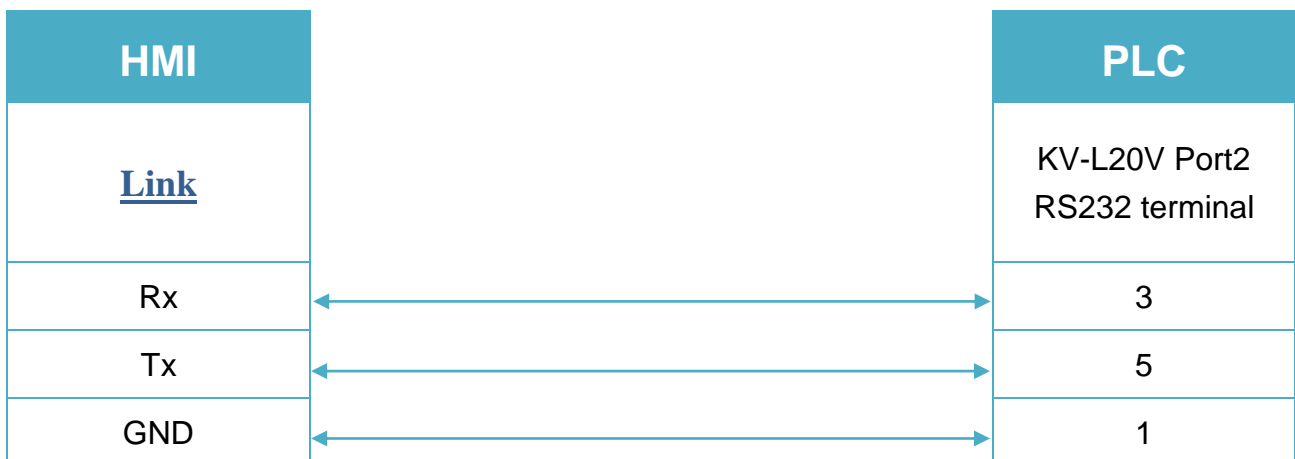
The serial port pin assignments may vary between HMI models, please click the following link for more information.



### Diagram 2

#### RS-232 (KV-L20V Port2 RS232 terminal)

The serial port pin assignments may vary between HMI models, please click the following link for more information.



### Diagram 3

#### RS-485 2W (KV-L20V Port2 RS485 2W)

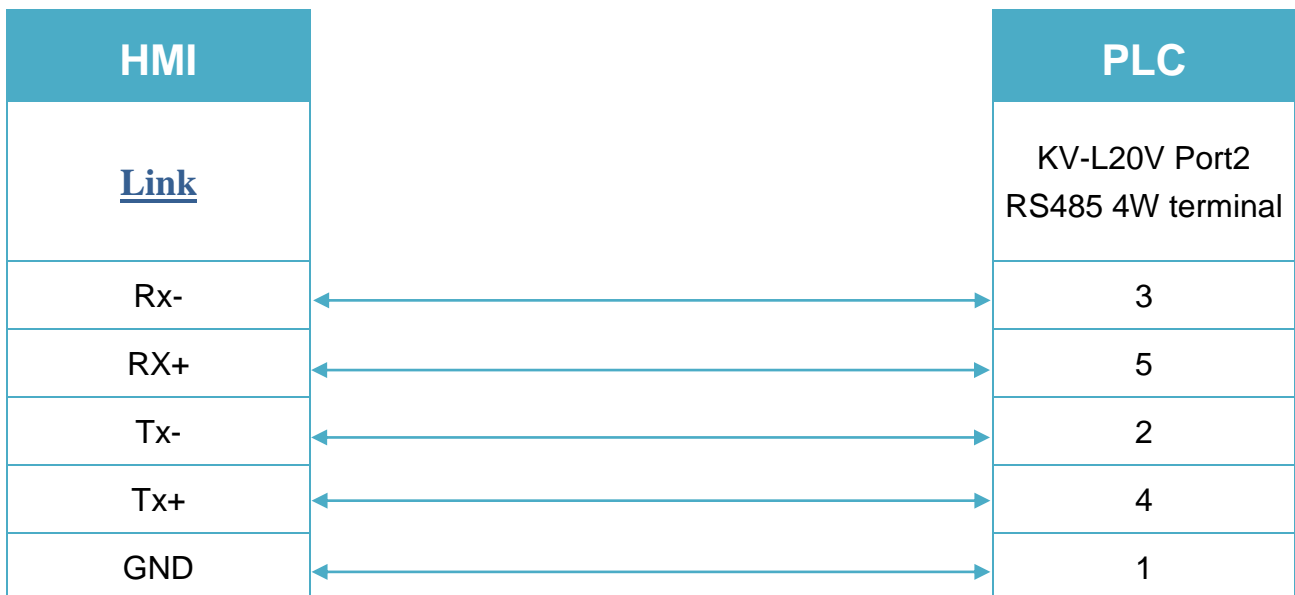
The serial port pin assignments may vary between HMI models, please click the following link for more information.



### Diagram 4

#### RS-485 4W (KV-L20V Port2 RS485 4W terminal)

The serial port pin assignments may vary between HMI models, please click the following link for more information.



**Diagram 5****RS-232 (RJ11 6P RS232)**

The serial port pin assignments may vary between HMI models, please click the following link for more information.

