

Fanuc 0i/30i/31i/32i/35i Series (Ethernet)

Supported Series: Fanuc 0i/30i/31i/32i/35i Series

Website: http://www.fanucfa.com/welcome_worldwide/

HMI Setting:

Parameters	Recommended	Options	Notes
PLC type	Fanuc 0i/30i/31i/32i/35i Series (Ethernet)		
PLC I/F	Ethernet		
Port no.	8193		
PLC sta. no.	1		

Device Address:

Bit/Word	Device type	Format	Range	Memo
B	G_Bit	DDDDo	0 ~ 99997	
B	F_Bit	DDDDo	0 ~ 99997	
B	Y_Bit	DDDDo	0 ~ 99997	
B	X_Bit	DDDDo	0 ~ 99997	
B	A_Bit	DDDDo	0 ~ 99997	
B	R_Bit	DDDDo	0 ~ 99997	
B	T_Bit	DDDDo	0 ~ 99997	
B	K_Bit	DDDDo	0 ~ 99997	
B	C_Bit	DDDDo	0 ~ 99997	
B	D_Bit	DDDDo	0 ~ 99997	
B	M_Bit	DDDDo	0 ~ 99997	
B	N_Bit	DDDDo	0 ~ 99997	
B	E_Bit	DDDDo	0 ~ 99997	
W	G_String	DDDD	0 ~ 9999	
W	F_String	DDDD	0 ~ 9999	
W	Y_String	DDDD	0 ~ 9999	
W	X_String	DDDD	0 ~ 9999	
W	A_String	DDDD	0 ~ 9999	
W	R_String	DDDD	0 ~ 9999	
W	T_String	DDDD	0 ~ 9999	
W	K_String	DDDD	0 ~ 9999	
W	C_String	DDDD	0 ~ 9999	

Bit/Word	Device type	Format	Range	Memo
W	D_String	DDDD	0 ~ 9999	
W	M_String	DDDD	0 ~ 9999	
W	N_String	DDDD	0 ~ 9999	
W	E_String	DDDD	0 ~ 9999	
W	G	DDDD	0 ~ 9999	
W	F	DDDD	0 ~ 9999	
W	Y	DDDD	0 ~ 9999	
W	X	DDDD	0 ~ 9999	
W	A	DDDD	0 ~ 9999	
W	R	DDDD	0 ~ 9999	
W	T	DDDD	0 ~ 9999	
W	K	DDDD	0 ~ 9999	
W	C	DDDD	0 ~ 9999	
W	D	DDDD	0 ~ 9999	
W	M	DDDD	0 ~ 9999	
W	N	DDDD	0 ~ 9999	
W	E	DDDD	0 ~ 9999	
Byte	GB	DDDD	0 ~ 9999	
Byte	FB	DDDD	0 ~ 9999	
Byte	YB	DDDD	0 ~ 9999	
Byte	XB	DDDD	0 ~ 9999	
Byte	AB	DDDD	0 ~ 9999	
Byte	RB	DDDD	0 ~ 9999	
Byte	TB	DDDD	0 ~ 9999	
Byte	KB	DDDD	0 ~ 9999	
Byte	CB	DDDD	0 ~ 9999	
Byte	DB	DDDD	0 ~ 9999	
Byte	MB	DDDD	0 ~ 9999	
Byte	NB	DDDD	0 ~ 9999	
Byte	EB	DDDD	0 ~ 9999	
W	G_Odd	DDDD	0 ~ 9999	
W	F_Odd	DDDD	0 ~ 9999	
W	Y_Odd	DDDD	0 ~ 9999	
W	X_Odd	DDDD	0 ~ 9999	
W	A_Odd	DDDD	0 ~ 9999	
W	R_Odd	DDDD	0 ~ 9999	
W	T_Odd	DDDD	0 ~ 9999	
W	K_Odd	DDDD	0 ~ 9999	

Bit/Word	Device type	Format	Range	Memo
W	C_Odd	DDDD	0 ~ 9999	
W	D_Odd	DDDD	0 ~ 9999	
W	M_Odd	DDDD	0 ~ 9999	
W	N_Odd	DDDD	0 ~ 9999	
W	E_Odd	DDDD	0 ~ 9999	
W	ABSOLUTE_POSITION	D	1 ~ 8	
W	MACHINE_POSITION	D	1 ~ 8	
W	RELATIVE_POSITION	D	1 ~ 8	
W	DISTANCE_TO_GO	D	1 ~ 8	
W	SERVO_LOAD	D	1 ~ 8	
W	SPINDLE	D	0 ~ 1	
W	FEED_RATE	D	0	
W	ALARM	D	0 ~ 9	
W	TOOL_OFFSET	DDDD.DDDD	0 ~ 9999.9999	*Note1
W	WORK_ZERO_OFFSET	DDD.DDD	0 ~ 999.999	*Note1
W	PMC_TIMER_TYPE	DDD	1 ~ 250	
W	MACRO_VALUE	DDDD	1 ~ 40000	
W	DIAGNOSIS	DDDD.DDDD	0 ~ 9999.9999	Read only *Note1

*Note1: DDDD(Axis).DDDD

Wiring Diagram:

Ethernet cable:

