

# Allen Bradley EtherNet/IP CompactLogix

Allen-Bradley ControlLogix, CompactLogix, FlexLogix Ethernet

<http://www.ab.com>

## HMI Setting:

Parameters	Recommend	Option	Notes
PLC type	Allen-Bradley EtherNet (CompactLogix)		
Com port	Ethernet		
Port no.	44818		
PLC Station No.	1		

## PLC Setting:

Communication mode	
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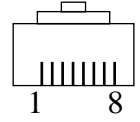
## Device address:

Bit/Word	Device Type	Format	Range	PLC Tag
B	Bx_BOOL	fffddd(dd)	File no. ff: 3, 10~255 Element no. ddd: 0~255 Bit no. (dd): 0~15	B003, B010~B255
B	Nx_BOOL	fffddd(dd)	File no. ff: 7, 10~255 Element no. ddd: 0~255 Bit no. (dd): 0~15	Integer data file bit level (N007, N010~N255)
W	Bx_INT	fffddd	File no. fff: 3, 10~255 Element no. ddd: 0~255	Bit data file word level B003, B010~B255
W	Nx_INT	fffddd	File no. fff:0~255 Element no. ddd:0~255	Integer data file (N007, N010~N255)
F	F8_REAL	ddd	ddd:0~255	Floating point data file (F008)
F	Fx_REAL	fffddd	File no. fff:0~255 ddd:0~255	Floating point data file (F008, F010~F255)
DW	Tx.PRE	fffddd	File no. fff: 4, 10~255 Element no. ddd: 0~255	Timer Preset Value (T004, T010~T255)
DW	Tx.ACC	fffddd	File no. fff: 4, 10~255 Element no. ddd: 0~255	Timer Accumulator Value (T004, T010~T255)
DW	Cx.PRE	fffddd	File no. fff: 5, 10~255 Element no. ddd: 0~255	Counter Preset Value (C005, C010~C255)
DW	Cx.ACC	fffddd	File no. fff: 5, 10~255 Element no. ddd: 0~255	Counter Accumulator Value (C005, C010~C255)

# Wiring diagram:

Ethernet:

MT8000 Ethernet RJ45		Wire color		Ethernet Hub or Switch RJ45	
1	TX+	White/Orange	—————	1	RX+
2	TX-	Orange	—————	2	RX-
3	RX+	White/Green	—————	3	TX+
4	BD4+	Blue	—————	4	BD4+
5	BD4-	White/Blue	—————	5	BD4-
6	RX-	Green	—————	6	TX-
7	BD3+	White/Brown	—————	7	BD3+
8	BD3-	Brown	—————	8	BD3-



RJ45 connector

Ethernet: Direct connect (crossover cable)

MT8000 Ethernet RJ45		Wire color		CPU Ethernet port RJ45	
1	TX+	White/Orange	—————	3	RX+
2	TX-	Orange	—————	6	RX-
3	RX+	White/Green	—————	1	TX+
4	BD4+	Blue	—————	4	BD4+
5	BD4-	White/Blue	—————	5	BD4-
6	RX-	Green	—————	2	TX-
7	BD3+	White/Brown	—————	7	BD3+
8	BD3-	Brown	—————	8	BD3-

## RSLogix 5000 setting

Create the Tag:

The name format must use 4 chars like B003, T004, C005, N007, F008.

Two or three chars are not available. For example B03 or B3.

