

OMRON CJ1/CS1 Ethernet

OMRON CJ1M, CJ1H, CJ1G, CS1H and CS1G. (Ethernet FINS),

<http://oeiweb.omron.com/oei/Products-PLC.htm>

HMI Setting:

Parameters	Recommend	Option	Notes
PLC type	OMRON CJ1/CS1 (Ethernet)		
Com port	Ethernet		
TCP port	9600		
HMI Station No.	0		
PLC Station No.	0		

PLC Setting:

Communication mode	FINS Ethernet protocol
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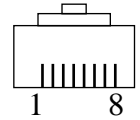
Device address:

Bit/Word	Device Type	Format	Range	Memo
Bit	D_bit	dddd(dd)	ddd:0~32767 (dd): 0~15	Data Memory (DM)
Bit	H_bit	ddd(dd)	ddd:0~511 (dd): 0~15	Holding Area (HR)
Bit	W_bit	ddd(dd)	ddd:0~511 (dd): 0~15	Work Area (WR)
Bit	CIO_bit	dddd(dd)	ddd:0~6143 (dd): 0~15	Channel I/O (CIO)
Bit	A_bit	ddd(dd)	ddd:0~959 (dd): 0~15	Auxiliary Relay (AR)
Bit	T_bit	dddd	ddd:0~4095	Timer (TIM)
Bit	C_bit	dddd	ddd:0~4095	Counter (CNT)
Word	D	dddd	ddd:0~32767	Data Memory (DM)
Word	H	ddd	ddd:0~511	Holding Area (HR)
Word	W	ddd	ddd:0~511	Work Area (WR)
Word	CIO	dddd	ddd:0~6143	Channel I/O (CIO)
Word	A	ddd	ddd:0~959	Auxiliary Relay (AR)
Word	T	dddd	ddd:0~4095	Timer (TIM)
Word	C	dddd	ddd:0~4095	Counter (CNT)

Wiring diagram:

Ethernet:

MT8000 Ethernet RJ45			Ethernet Hub or Switch RJ45		
		Wire color			
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			OMRON Ethernet RJ45		
		Wire color			
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-	