

AIBUS

UDIAN Automation AI-501, AI-518, AI-519, AI-701, AI-702M, AI-704M, AI-706M, AI-719

<http://www.yudian.us>

HMI Setting:

Parameters	Recommend	Option	Notes
PLC type	AIBUS		
Com port	RS485 2W	RS232	
Baud rate	9600	9600, 19200	
Parity bit	None		
Data Bits	8		
Stop Bits	2		
HMI Station No.	0		
PLC Station No.	1	0-100	

Online Simulator	YES	
Extend address mode	NO	

PLC Setting:

Communication mode	
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Device address:

AI-518

Bit/Word	Device Type		Format	Range	Memo
Word	0	00H	dd		SV/STEP
Word	1	01H	dd	-1999~+9999	HIAL
Word	2	02H	dd	-1999~+9999	LoAL
Word	3	03H	dd	0~9999	dHAL
Word	4	04H	dd	0~9999	dLAL
Word	5	05H	dd	0~2000	dF
Word	6	06H	dd	0~4	Ctrl
Word	7	07H	dd	0~9999	M5
Word	8	08H	dd	1~9999	P
Word	9	09H	dd	0~2000	t
Word	10	0AH	dd	0~125	CtI
Word	11	0BH	dd	0~37	Sn (read only)
Word	12	0CH	dd	0~3	dIP (read only)
Word	13	0DH	dd	-1999~+9999	dIL
Word	14	0EH	dd	-1999~+9999	dIH
Word	15	0FH	dd	0~9999	ALP
Word	16	10H	dd	-1999~+4000 0.1	Sc
Word	17	11H	dd	0~48	Op1
Word	18	12H	dd	-110~+110%	oPL
Word	19	13H	dd	0~110%	oPH
Word	20	14H	dd	0~127	CF (read only)
Word	21	15H	dd	0~19.2K	Baud rate (bAud) /808Pstatus word: run:0 suspend:4 stop:12 (read only)
Word	22	16H	dd	0~100	ADDR
Word	23	17H	dd	0~20	dL
Word	24	18H	dd	0~127	Run
Word	25	19H	dd	0~9999	Loc

AI-701

Bit/Word	Device Type		Format	Range	Memo
Word	1	01H	dd	-9990~+30000	HIAL
Word	2	02H	dd	-9990~+30000	LoAL
Word	3	03H	dd	-9990~+30000	HdAL
Word	4	04H	dd	-9990~+30000	LdAL
Word	5	05H	dd	0~2000	AHYS
Word	11	0BH	dd	0~37	InP (read only)
Word	12	0CH	dd	0~3	dPt
Word	13	0DH	dd	-9999~+30000	SCL
Word	14	0EH	dd	-9999~+30000	SCH
Word	15	0FH	dd	0~4444	AOP
Word	16	10H	dd	-1999~+4000 0.1	Scb
Word	17	11H	dd	0~48	Opt
Word	21	15H	dd	0~19.2K	Baud rate (bAud) /808P status word run:0 suspend:4 stop:12 (read only)
Word	22	16H	dd	0~80	ADDR
Word	23	17H	dd	0~40	FILt
Word	25	19H	dd	0~255	Loc

Wiring diagram:

RS-485:

MT8000 PLC[485]
9P D-SUB

AI-518/518P
RS485 port

