

技术文件

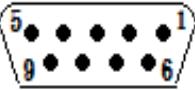
屏通人机与常用 PLC 连线说明

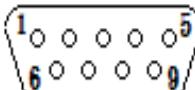
Revision 1.0 September 2008

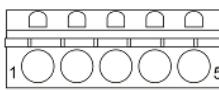
PanelMaster, PanelExpress and PM Designer

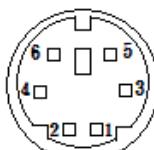


一、屏通人机通讯口脚位定义

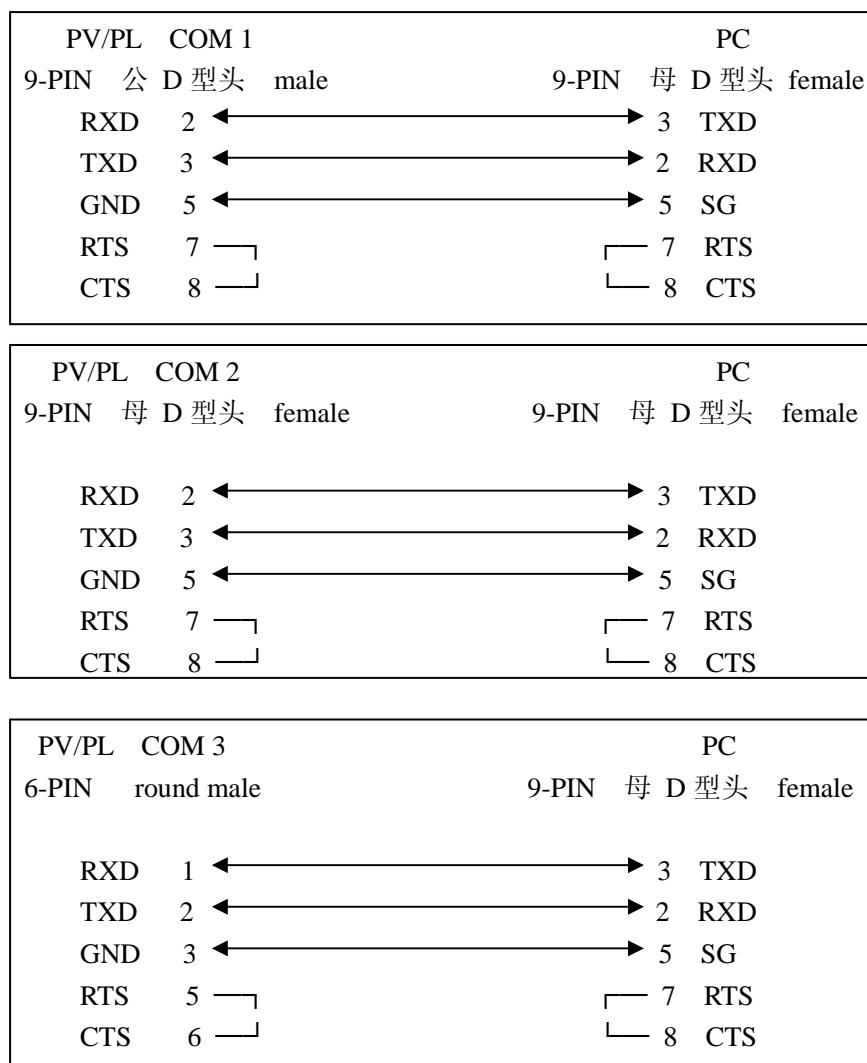
COM 1		9-PIN	母 D 型头 female
1	→	RS422 TXD + / RS485 +	
2	→	RS232 RXD	
3	→	RS232 TXD	
4	→	RS422 RXD +	
5	→	GND	
6	→	RS422 TXD - / RS485 -	
7	→	RS232 RTS	
8	→	RS232 CTS	
9	→	RS422 RXD -	

COM 2		9-PIN	公 D 型头 male
1	→	RS485 +	
2	→	RS232 RXD	
3	→	RS232 TXD	
4	→	NC	
5	→	GND	
6	→	RS485 -	
7	→	RS232 RTS	
8	→	RS232 CTS	
9	→	NC/ VCC 5V (option)	

COM 2		5-PIN	接线端子
1	→	RS422 TXD + / RS485 +	
2	→	RS422 RXD +	
3	→	RS422 RXD -	
4	→	RS422 TXD - / RS485 -	
5	→	GND	

COM 3		6-PIN	圆孔接头 round female
1	→	RS232 RXD	
2	→	RS232 TXD	
3	→	GND	
4	→	VCC 5V	
5	→	RS232 CTS	
6	→	RS232 RTS	

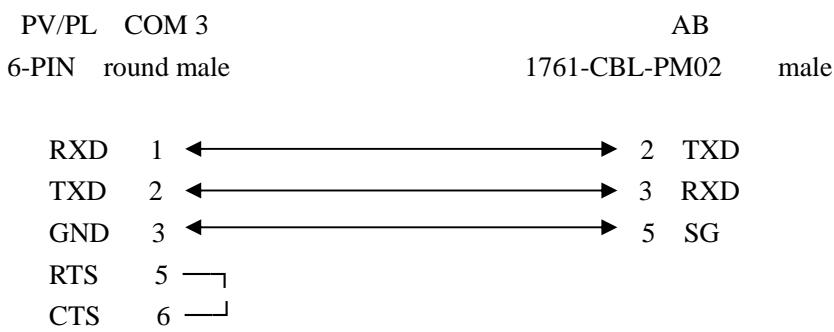
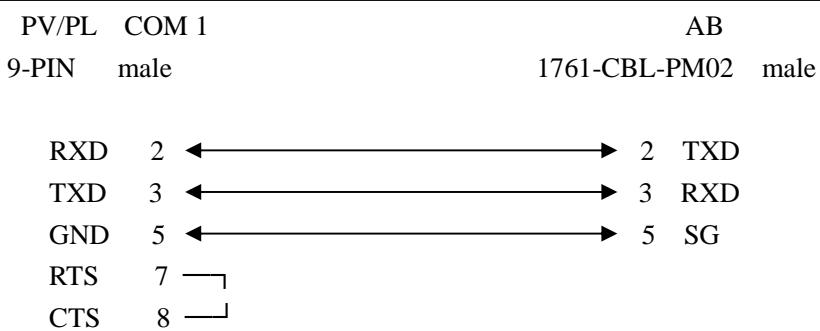
二、PC DOWN LOAD CABLE (PC 下载传输线)



三、与常用 PLC 接线图

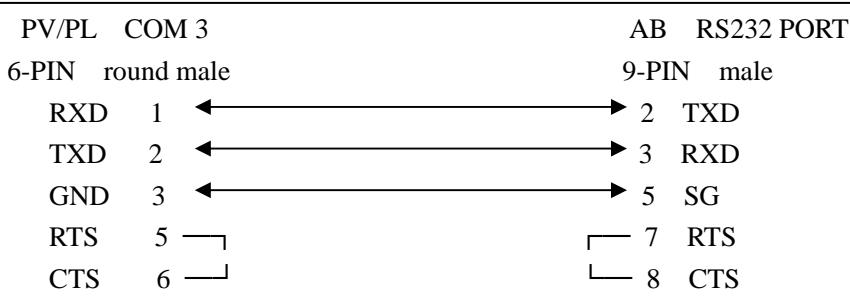
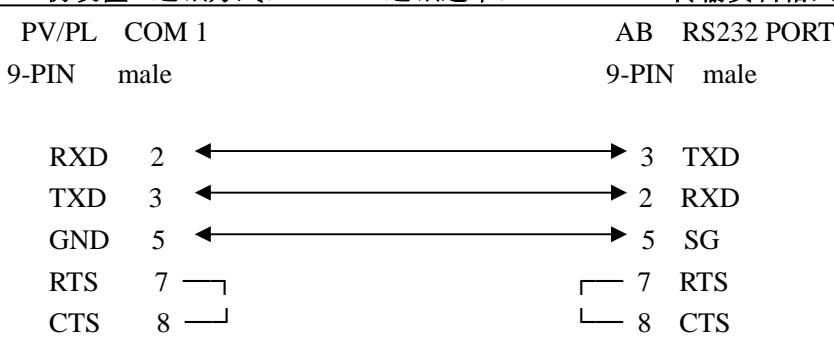
Allen-Bradley Micrologix 1000/1500

PM 初设值：通讯方式：RS232 通讯速率：19200bs 传输资料格式：(8, NONE, 1)



Allen-Bradley SLC 5/03,5/04

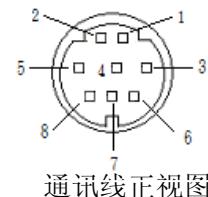
PM 初设值：通讯方式：RS232 通讯速率：9600 bs 传输资料格式：(8, NONE, 1)



Delta Corporation DVP-ES/SS/EP/EH

PM 初设值: 通讯方式: RS232 通讯速率: 9600bs 传输资料格式: (7, EVEN, 1)

PV/PL COM 1	DVP RS232
9-PIN male	8-PIN male
RXD 2	5 TXD
TXD 3	4 RXD
GND 5	8 SG
RTS 7	
CTS 8	

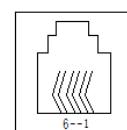


PV/PL COM 3	DVP RS232
6-PIN round male	8-PIN male
RXD 1	5 TXD
TXD 2	4 RXD
GND 3	8 SG
RTS 5	
CTS 6	

Delta Corporation VFD-B, VFD-M Inverter

PM 初设值: 通讯方式: RS485 通讯速率: 9600 bs 传输资料格式: (7, NONE, 2)

PV/PL COM 1	DVP RS485
9-PIN male	RJ11
RS485 + 1	4 SG+
RS485 - 6	5 SG-

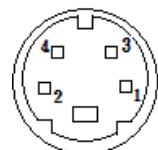


PV/PL COM 2	DVP RS485
5-PIN	RJ11
RS485 + 1	4 SG+
RS485 - 4	5 SG-

FATEK FBs

PM 初设值: 通讯方式: RS232 通讯速率: 可选 9600bs 输资料格式: (7, EVNE, 1)

PV/PL	COM 1	FBs	4-PIN
9-PIN	male		male RS232
RXD	2 ←	→ 4	TXD
TXD	3 ←	→ 2	RXD
GND	5 ←	→ 1	SG
RTS	7 —		
CTS	8 —		



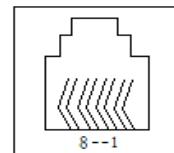
PLC 俯视图

PV/PL	COM 3	FBs	4-PIN
6-PIN	round male		male RS232
RXD	1 ←	→ 4	TXD
TXD	2 ←	→ 2	RXD
GND	3 ←	→ 1	SG
RTS	5 —		
CTS	6 —		

Fuji Electric Corporation NB Series

PM 初设值: 通讯方式: RS422 通讯速率: 19200bs 传输资料格式: (8, ODD, 1)

PV/PL COM 1	NB RS422
9-PIN male	RJ45
TXD+	1 ←————→ 4 RXD+
TXD-	6 ←————→ 3 RXD-
RXD+	4 ←————→ 6 TXD+
RXD-	9 ←————→ 5 TXD-

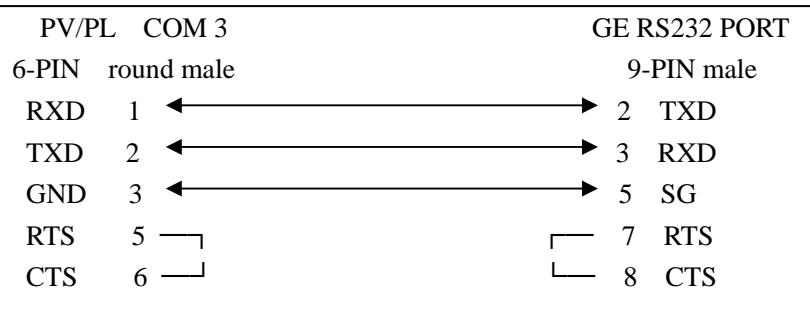
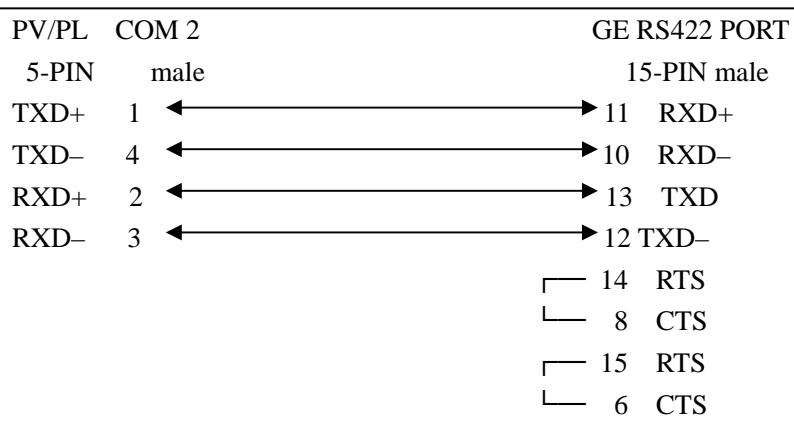
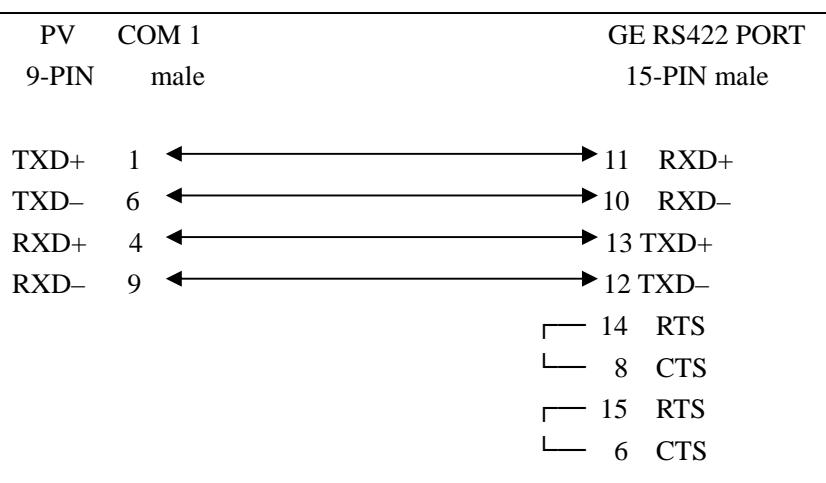
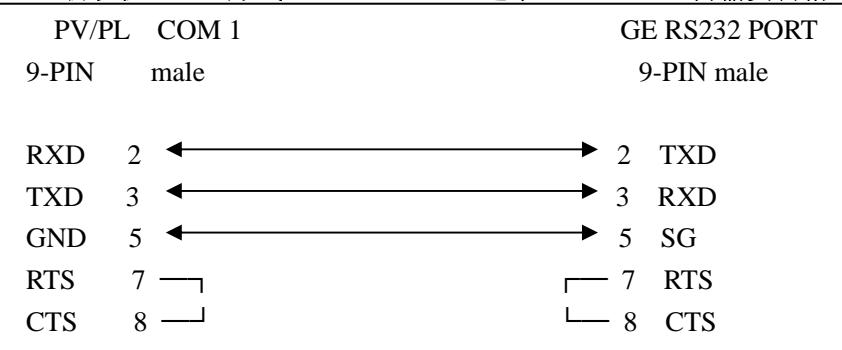


通讯线正视图

PV/PL COM 2	NB RS422
5-PIN male	RJ45
TXD+	1 ←————→ 4 RXD+
TXD-	4 ←————→ 3 RXD-
RXD+	2 ←————→ 6 TXD+
RXD-	3 ←————→ 5 TXD-

GE Corporation 90 Series SNP

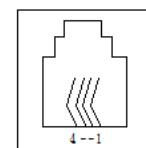
PM 初设值: 通讯方式: RS232/422 讯速率: 19200bs 传输资料格式: (8, NONE, 1)



Keyence Corporation KV/KZ Series

PM 初设值: 通讯方式: RS232 通讯速率: 9600bs 传输资料格式: (8, EVEN, 1)

PV/PL COM 1	RS232 PORT
9-PIN male	4-PIN male
RXD 2	4 TXD
TXD 3	2 RXD
GND 5	3 SG
RTS 7	
CTS 8	

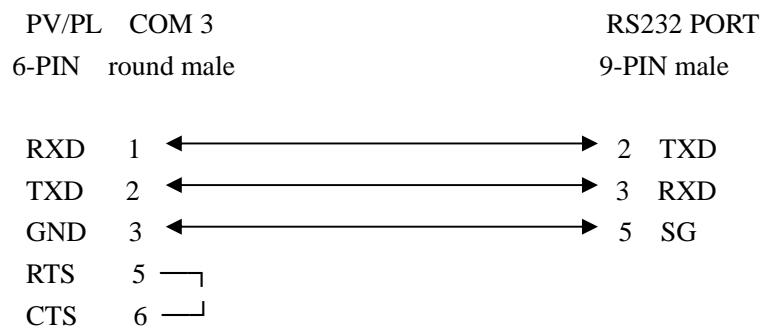
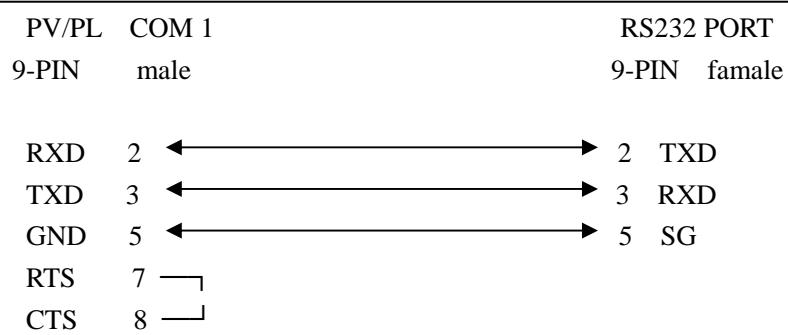


通讯线正视图

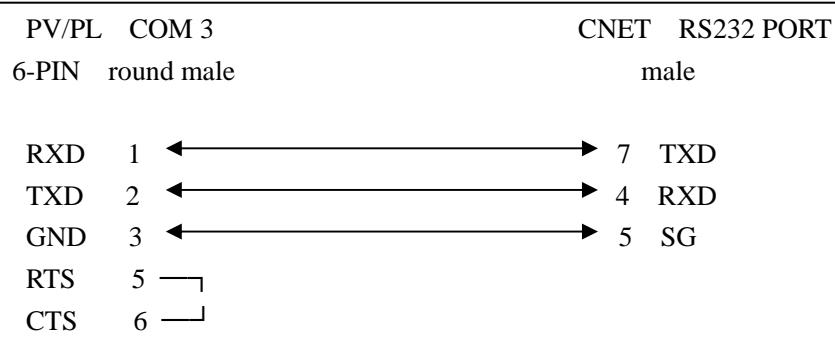
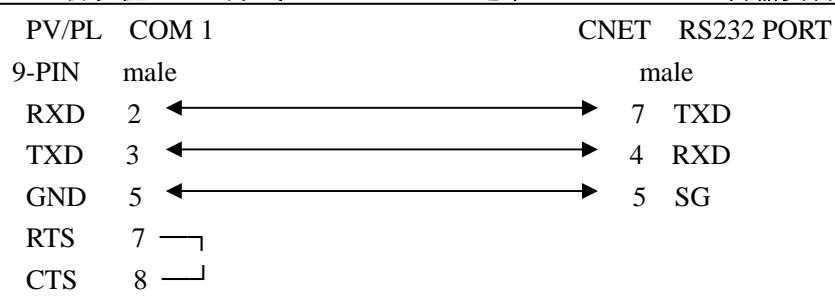
PV/PL COM 3	RS232 PORT
6-PIN round male	4-PIN male
RXD 1	4 TXD
TXD 2	2 RXD
GND 3	3 SG
RTS 5	
CTS 6	

Klockner Moeller Corporation PS4-201

PM 初设值: 通讯方式: RS232 通讯速率: 9600bs 传输资料格式: (8, NONE, 1)


LG Industrial Systems Master-K Series CNET

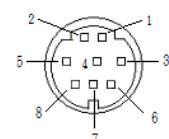
PM 初设值: 通讯方式: RS232 通讯速率: 19200bs 传输资料格式: (8, NONE, 1)



Liyan EX Series

PM 初设值: 通讯方式: RS232 通讯速率: 9600bs 传输资料格式: (7, EVEN, 1)

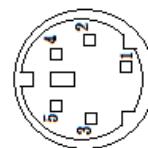
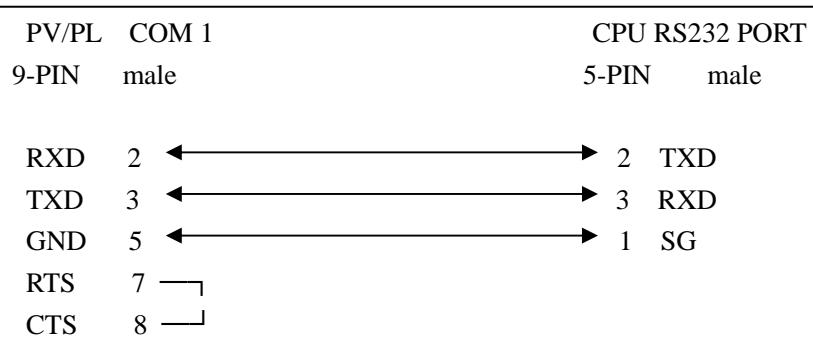
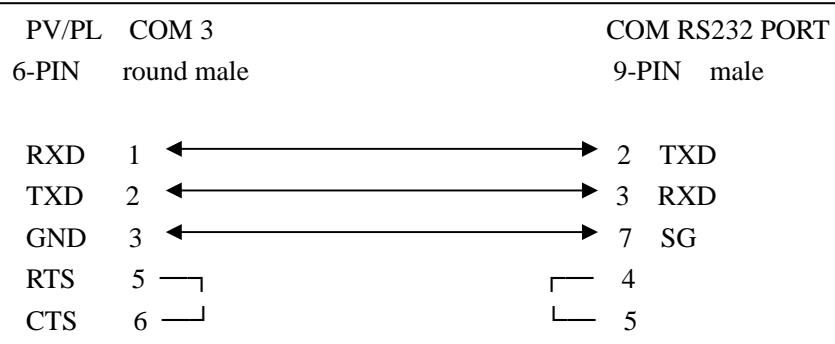
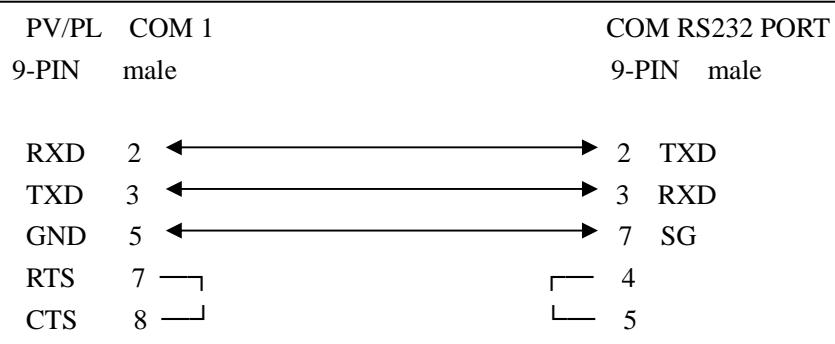
PV/PL COM 1	RS232 PORT
9-PIN male	8-PIN male
RXD 2	2 TXD
TXD 3	7 RXD
GND 5	3 SG
RTS 7	—
CTS 8	—



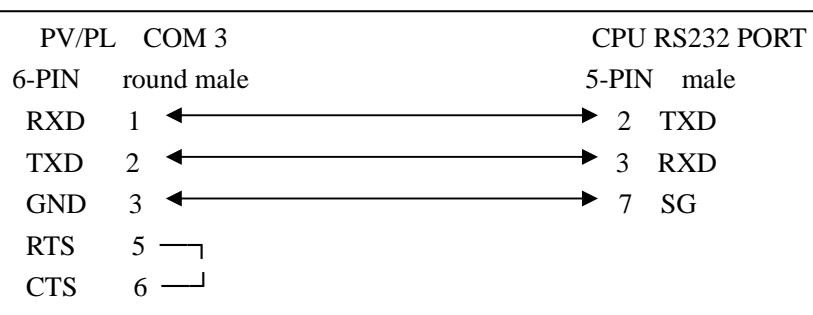
PV/PL COM 3	RS232 PORT
6-PIN round male	8-PIN male
RXD 1	2 TXD
TXD 2	3 RXD
GND 3	5 SG
RTS 5	—
CTS 6	—

Matsushita FP Series

PM 初设值: 通讯方式: RS232 通讯速率: 9600bs 传输资料格式: (8, ODD, 1)



PLC 倾视图

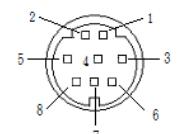


Mitsubishi FX0s,0n,1n,2n,3u

PM 初设值: 通讯方式: RS422 通讯速率: 9600bs 传输资料格式: (7, EVEN, 1)

Mitsubishi FX0S/FX1S/FX0N/FX1N/FX2N CPU Port

PV	COM 1	RS422 PORT
9-PIN	male	8-PIN male
TXD+	1	2 RXD+
TXD-	6	1 RXD-
RXD+	4	7 TXD+
RXD-	9	4 TXD-
GND	5	3 SG



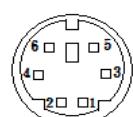
通讯线正视图

PV/PL	COM 2	RS422 PORT
5-PIN		8-PIN male
TXD+	1	2 RXD+
TXD-	4	1 RXD-
RXD+	2	7 TXD+
RXD-	3	4 TXD-
GND	5	3 SG

Mitsubishi Q Series CPU Port

PM 初设值: 通讯方式: RS232 通讯速率: 19200bs 传输资料格式: (8, ODD, 1)

PV/PL	COM 1	CPU RS232 PORT
9-PIN	male	6-PIN male
RXD	2	2 TXD
TXD	3	1 RXD
GND	5	3 SG
RTS	7	
CTS	8	

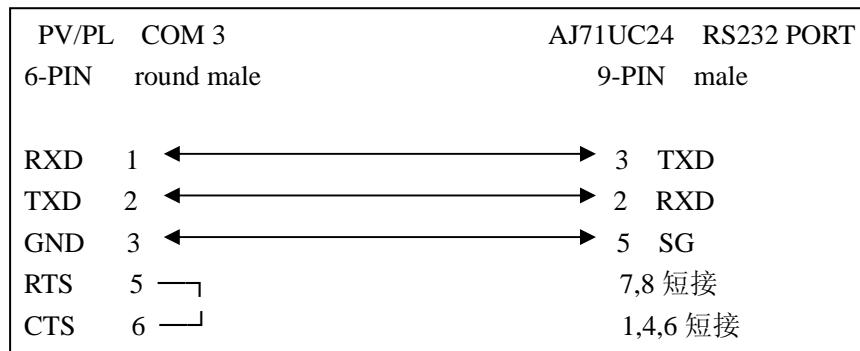


PLC 俯视图

PV/PL	COM 3	CPU RS232 PORT
6-PIN	round male	6-PIN male
RXD	1	2 TXD
TXD	2	1 RXD
GND	3	3 SG
RTS	5	
CTS	6	

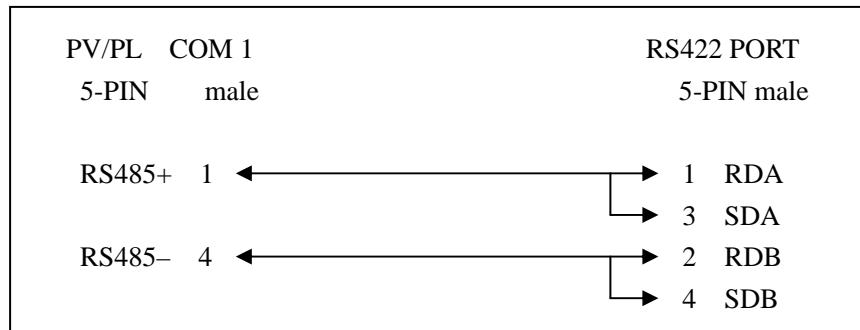
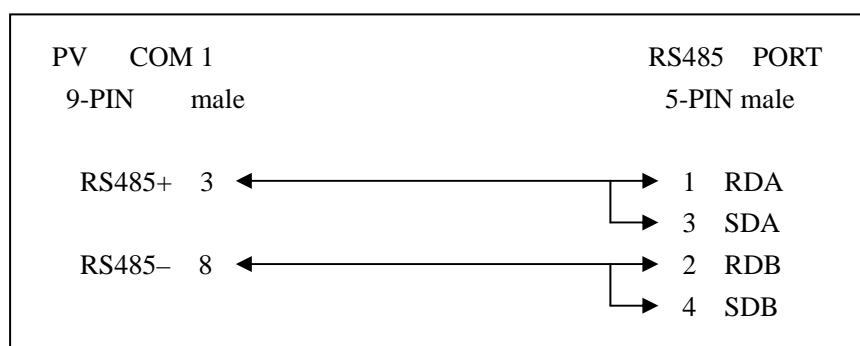
Mitsubishi A Series Link Port

PM 初设值: 通讯方式: RS232 通讯速率: 可选 9600bs 传输资料格式: (8, ODD, 1)



Mitsubishi FX0s,0n,1n,2n,3u 485DB

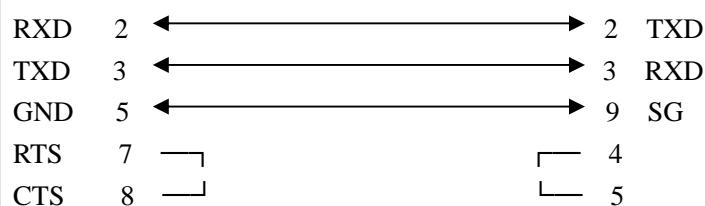
PM 初设值: 通讯方式: RS485 通讯速率: 9600bs 传输资料格式: (7, EVEN, 1)



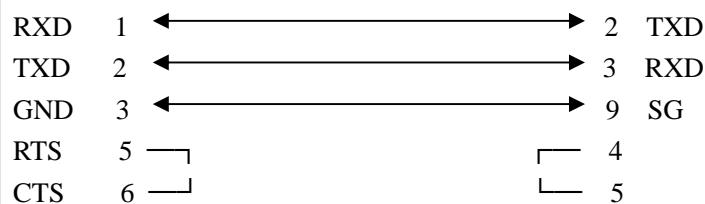
Omron C/CV/CS Series

PM 初设值: 通讯方式: RS232 通讯速率: 9600bs 传输资料格式: (7, EVEN, 2)

PV/PL COM 1	RS232 PORT
9-PIN male	9-PIN male

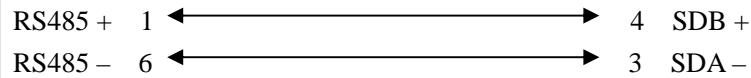


PV/PL COM 3	RS232 PORT
6-PIN round male	9-PIN male

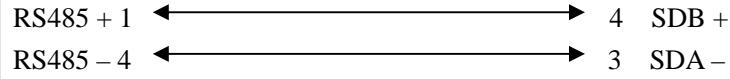


PM 初设值: 通讯方式: RS485 通讯速率: 9600bs 传输资料格式: (7, EVEN, 2)

PV/PL COM 1	RS485 PORT
9-PIN male	9-PIN male



PV/PL COM 2	RS485 PORT
5-PIN male	9-PIN male



注: OMRON 的 RS-485 选件板的拨动开关设置为:

1-OFF、2-ON、3-ON、4-OFF、5-ON、6-ON(详细内容请参见 Omron 手册)

Siemens AG S7 Series MPI Port

PM 初设值: 通讯方式: RS485 通讯速率: 9600bs 传输资料格式: (8, EVEN, 1)

PV COM 1 9-PIN male	MPI RS485 PORT male
RS485 + 1	3 SG+
RS485 - 6	8 SG-

PV/PL COM 2 5-PIN	MPI RS485 PORT male
RS485 + 1	3 SG+
RS485 - 4	8 SG-

Siemens AG S7-300/S7-400 PC Adaptor

PM 初设值: 通讯方式: RS232 通讯速率: 19200bs 传输资料格式: (8, EVEN, 1)

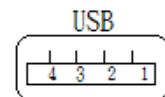
PV/PL COM 1 9-PIN male	PC Adaptor RS232 PORT female
RXD 2	3 TXD
TXD 3	2 RXD
GND 5	5 SG
RTS 7	7,8 短接
CTS 8	1,4,6 短接

PV/PL COM 3 6-PIN round male	PC Adaptor RS232 PORT female
RXD 1	3 TXD
TXD 2	2 RXD
GND 3	5 SG
RTS 5	7,8 短接
CTS 6	1,4,6 短接

VIGOR VB Series

PM 初设值: 通讯方式: RS232 通讯速率: 9600bs 传输资料格式: (7, EVEN, 1)

PV/PL	COM 1	USB	RS232 PORT
9-PIN	male		male
RXD	2 ←————→ 3 TXD		
TXD	3 ←————→ 2 RXD		
GND	5 ←————→ 4 SG		
RTS	7 ——		
CTS	8 ——		



PV/PL	COM 3	USB	RS232 PORT
6-PIN	round male		male
RXD	1 ←————→ 3 TXD		
TXD	2 ←————→ 2 RXD		
GND	3 ←————→ 4 SG		
RTS	5 ——		
CTS	6 ——		