

TPMC866-IO-10
DIN Rail Mounting
I/O Module for TPMC866-10 and
TPMC866-11
with 8 DB-9 Connectors

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User Manual
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1 Product Description

The TPMC866-IO-10 consists of a TIP866-IO-10 Module and a 50 conductor flat cable with miniature D female connector (SCSI-2 type) at one side of the cable and a standard flat cable connector on the other side. This combination permits only the connection to the Frontpanel I/O of the TPMC866-10/11. A connection to the P14I/O is not supported.

The TPMC866-IO-10 is a complete interface solution for the TPMC866-10 (8 serial channels RS232) and the TPMC866-11 (8 serial channels RS422).

The 8 serial ports of the TPMC866-10/-11 are routed to 8 DB-9 connectors located on the TPMC866-IO-10.

TXD, RXD, RTS, CTS and GND are supported for each of the 8 serial channels of the TPMC866-10 (RS232). Additionally DCD, DTR, RI and DSR are supported for channel 1 and 2.

TXD+/-, RXD+/- and GND are supported for the TPMC866-11 (RS422) and DX+/-.

The TPMC866-IO-10 is designed for DIN rail mounting.

2 Technical Specification

Board Size:	95 mm x 83 mm
Interface to serial lines:	8 DB-9 male connectors
Interface to IP:	connector for 50 conductor flat cable
Shield:	One terminal provides shield connection to all 8 DB-9 connectors
Mounting:	DIN rail mounting

3 Connector X1 Pin Assignment

Connector X1 Pin Assignment		
X1 Pin	TPMC866-10 (RS232)	TPMC866-11 (RS422)
1	GND	GND
2	TXD1	TXD1-
3	RXD1	TXD1+
4	RTS1	RXD1-
5	CTS1	RXD1+
6	GND	GND
7	TXD2	TXD2-
8	RXD2	TXD2+
9	RTS2	RXD2-
10	CTS2	RXD2+
11	GND	GND
12	TXD3	TXD3-
13	RXD3	TXD3+
14	RTS3	RXD3-
15	CTS3	RXD3+
16	GND	GND
17	TXD4	TXD4-
18	RXD4	TXD4+
19	RTS4	RXD4-
20	CTS4	RXD4+
21	GND	GND
22	TXD5	TXD5-
23	RXD5	TXD5+
24	RTS5	RXD5-
25	CTS5	RXD5+
26	GND	GND
27	TXD6	TXD6-
28	RXD6	TXD6+
29	RTS6	RXD6-
30	CTS6	RXD6+
31	GND	GND
32	TXD7	TXD7-
33	RXD7	TXD7+
34	RTS7	RXD7-
35	CTS7	RXD7+
36	GND	GND
37	TXD8	TXD8-
38	RXD8	TXD8+
39	RTS8	RXD8-
40	CTS8	RXD8+
41	nc	nc
42	nc	nc
43	DCD1	nc
44	DTR1	nc
45	RI1	nc
46	DSR1	nc
47	DCD2	nc
48	DTR2	nc
49	RI2	nc
50	DSR2	nc

nc = not connected on the TPMC866-IO-10

4 DB-9 Pin Assignment

Pin Assignment of DB-9 Male Connector TPMC866-IO-10 Channel 1 and 2		
Pin No. DB-9	RS232 (TPMC866-10)	RS422 (TPMC866-11)
1	DCD	
2	RXD	TXD+
3	TXD	TXD-
4	DTR	
5	GND	GND
6	DSR	
7	RTS	RXD-
8	CTS	RXD+
9	RI	

Pin Assignment of DB-9 Male Connector TPMC866-IO-10 Channel 3 to 8		
Pin No. DB-9	RS232 (TPMC866-10)	RS422 (TPMC866-11)
1		
2	RXD	TXD+
3	TXD	TXD-
4		
5	GND	GND
6		
7	RTS	RXD-
8	CTS	RXD+
9		

Notes

Note 1: Channel 1 and 2 of the TPMC866-IO-10 additionally support DCD, DTR, RI and DSR for the TPMC866-10.

5 Assembly Drawing

