ALLEN-BRADLEY 1784-KT

Product Data Sheet

1784-KT/B

Series B ISA Communication Interface Card

HOST EXPANSION BUS	COMPATIBLE EXPANSION SLOTS	EXTERNAL CONNECTOR	NETWORK INTERFACE
ISA; 8-bit half-length card	**8-bit or 16-bit ISA**	**62-pin D-shell**	**Data Highway Plus**

Allen-Bradley 1784-KT/B is the customer-specified model notation for the manufacturer's 1784-KT/B Series B communication interface module. The half-length eight-bit ISA card connects a compatible host computer to Allen-Bradley controllers through a direct serial connection or Data Highway Plus. A sixty-two-pin D-shell connector carries the documented external interface.

01 TECHNICAL DATA

Host expansion bus	ISA; 8-bit half-length card
Compatible expansion slots	8-bit or 16-bit ISA
External connector	62-pin D-shell
Network interface	Data Highway Plus
DH+ transmission rate	57.6 kbit/s
Direct serial rates	9600 or 19200 baud; PLC-2 / PLC-3
Selectable hardware interrupts	IRQ3; IRQ4; IRQ5; IRQ7
Factory memory setting	D400; no interrupt selected
5 V host demand	0.4 A; 2 W
12 V host demand	0.04 A; 0.48 W

Allen-Bradley Communication Interface Module Installation Data, Publication 1784-2.31, August 1993; Cat. No. 1784-KT/B;

02 ADDITIONAL PRODUCT DATA

Operating ambient	0 to 55 degrees C
Relative humidity	5 to 95%; noncondensing
PLC-2 / PLC-3 direct-cable limit	3 m
Published DH+ segment limit	3050 m at 57.6 kbit/s

03 PRODUCT FUNCTION

The official Series B installation data specify 57.6 kbit/s synchronous DH+ operation and 9600 or 19200 baud asynchronous PLC-2/PLC-3 connections. The host memory address and hardware interrupt are selectable; the factory arrangement is D400 with no interrupt selected. Power demand is 0.4 A at 5 V and 0.04 A at 12 V. The permitted operating ambient is 0 to 55 degrees C with 5 to 95% noncondensing humidity.

04 SYSTEM COMPATIBILITY

Choose the documented cable for direct PLC-2/PLC-3 access or the DH+ arrangement. The sixty-two-pin D-shell connector does not itself define the far-end pin assignment. Keep the 9600/19200-baud serial settings distinct from the 57.6 kbit/s DH+ network setting.

05 REFERENCE

Allen-Bradley Communication Interface Module Installation Data, Publication 1784-2.31, August 1993; Cat. No. 1784-KT/B; pages 1-22.

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