

 **Rockwell** Automation
Allen-Bradley

1784-KTx
Communication
Interface Card
(Cat. Nos. 1784-KTX,
-KTXD, and -KTS)

User Manual



Chapter 1

Introduction to the 1784-KTx Communication Interface Cards

Your 1784-KTx communication interface card (cat. nos. 1784-KTX, 1784-KTXD, and 1784-KTS) is an ISA half-sized card that must be inserted into a 16-bit ISA or EISA expansion slot.

Important: You *must not* place this card in an 8-bit expansion slot. Improper operation and damage to the card will result.

Table 1.A shows the 1784-KTx card features.

Table 1.A Features supported by KTx cards

KTx card catalog #:	# of channels:	Active node on these networks:	Acts as remote I/O scanner:	Supported by this Allen-Bradley software:
1784-KTX	1	DH+ or DH-485	yes	1784-KTx Scanner Reference Set 6200 Series⁽³⁾ - INTERCHANGE™ - AI - RS Logix5 and RSLogix 500 via RSLinx
		PLC-2 and PLC-3 direct-connect ⁽¹⁾		
1784-KTXD	2	DH+ and/or DH-485 ⁽²⁾	yes	
1784-KTS	1		yes	1784-KTx Scanner Reference Set

⁽¹⁾ Available via 6200 Series software

⁽²⁾ Available only on channel 1

⁽³⁾ Available in version 4.5 or later

How the 1784-KTx Card Operates

The 1784-KTx and -KTXD cards:

- communicate with nodes on Data Highway networks, including PLC-2[®], PLC-3[®], and on Data Highway Plus networks, including PLC-5[®], and SLC 5/04 processors, and SLC 5/01[™], SLC5/02, and SLC 5/03 processors (only via 1784KA5)
- communicate with SLC[™] processors on DH-485 networks
- act as a remote I/O scanner

The 1784-KTS card acts *only* as a remote I/O scanner.

The 1784-KTx performs data transmission, management, and local network diagnostics. The interface to the host processor is through a board-resident dual-port memory.

Allen-Bradley interface software (including RSLogix via RSLinx, AI, 6200, and INTERCHANGE) manages data transmission and reception through dual-port memory.

Remember to set the base memory address on the KTx card so that it does not interfere with selected addresses of other expansion cards in your computer. On dual-channel cards, set two addresses.

Important: Although the 1784-KTXD has two channels, you cannot use the card to directly bridge between two networks.

What to Do Next

Chapter 2 tells you how to configure the card hardware.