



Tech Info Library

ImageWriter: Interface Specifications (8/94)

Revised: 10/18/94
Security: Everyone

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Article Reviewed/Updated: 31 August 1994

TOPIC -----

This article gives the interface specifications for the Apple Imagewriter printer.

NOTE: This product is discontinued and is no longer available.

DISCUSSION -----

1. Data Input Form:
 - 7-bit or 8-bit serial: 1 start bit
 - 7 or 8 data bits
 - 1 stop bit (no parity bit)
2. Data Input Codes:
 - Characters: ASCII, 8- or 7- bit
 - Graphics: 8-bit binary
3. Transmission Speed: 300, 1200, 2400, or 9600 baud
4. Input Buffer Size: 1K bytes
5. Printer Connector: DB-25 male, or equivalent
6. Mating Connector: DB-25S female, or equivalent
7. Printer Pin Out

Pin No.	Symbol	Description	Direction
1	FG	Frame Ground	
2	SD	Send Data	Output
3	RD	Receive Data	Input
4	RTS	Request to Send	Output

7	SG	Signal Ground
14	FAULT	FaultOutput
20	DTR	Data Terminal Ready Output

8. Signal Description

9. Frame Ground: Grounding line for circuit protection.

10. Send Data: Serial dot transmission line to the computer from the printer. False when no data is being sent; true when data is being sent.

11. Receive Data: Serial data transmission line to the printer from the computer. False when no data is being sent; true when data is being sent.

12. Request to Send: Output signal from the printer; true when the printer is turned on.

13. Fault: Output signal from the printer. False when the printer is deselected; true when selected.

14. Data Terminal Ready: Output signal from the printer. True when the printer is on and able to receive data; false when unable to receive data.

15. Signal Levels:

RD: Maximum +15 Volts, minimum +5 Volts.

SD, RTS, DTR, and FAULT signal levels: Normal +7 Volts.

16. Protocol

The printer is capable of two types of data protocol: XON/XOFF or Data Terminal Ready (DTR). The DTR protocol uses the DTR signal to indicate the printer state. The XON/XOFF protocol uses the serial ASCII codes for XON and XOFF.

Article Change History:

31 Aug 1994 - Removed "Discontinued" from title. Updated and reviewed.

Support Information Services

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