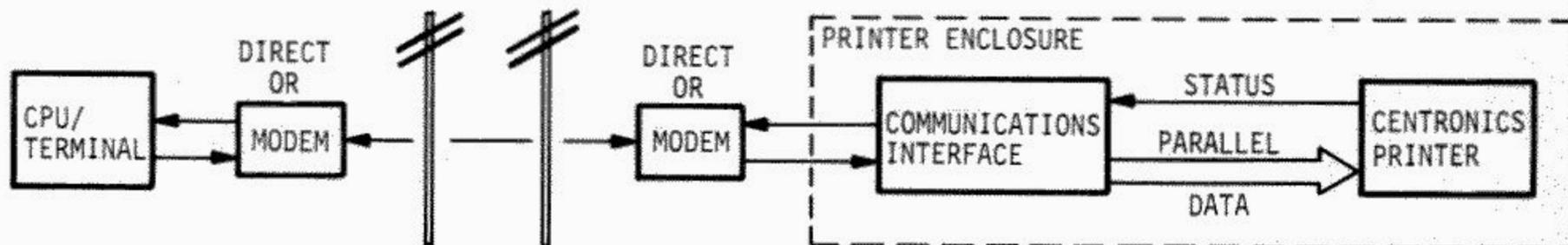


CENTRONICS

COMMUNICATIONS INTERFACES



To allow direct coupling between any of its printers and a modem or data set, Centronics offers the following three communications interfaces:

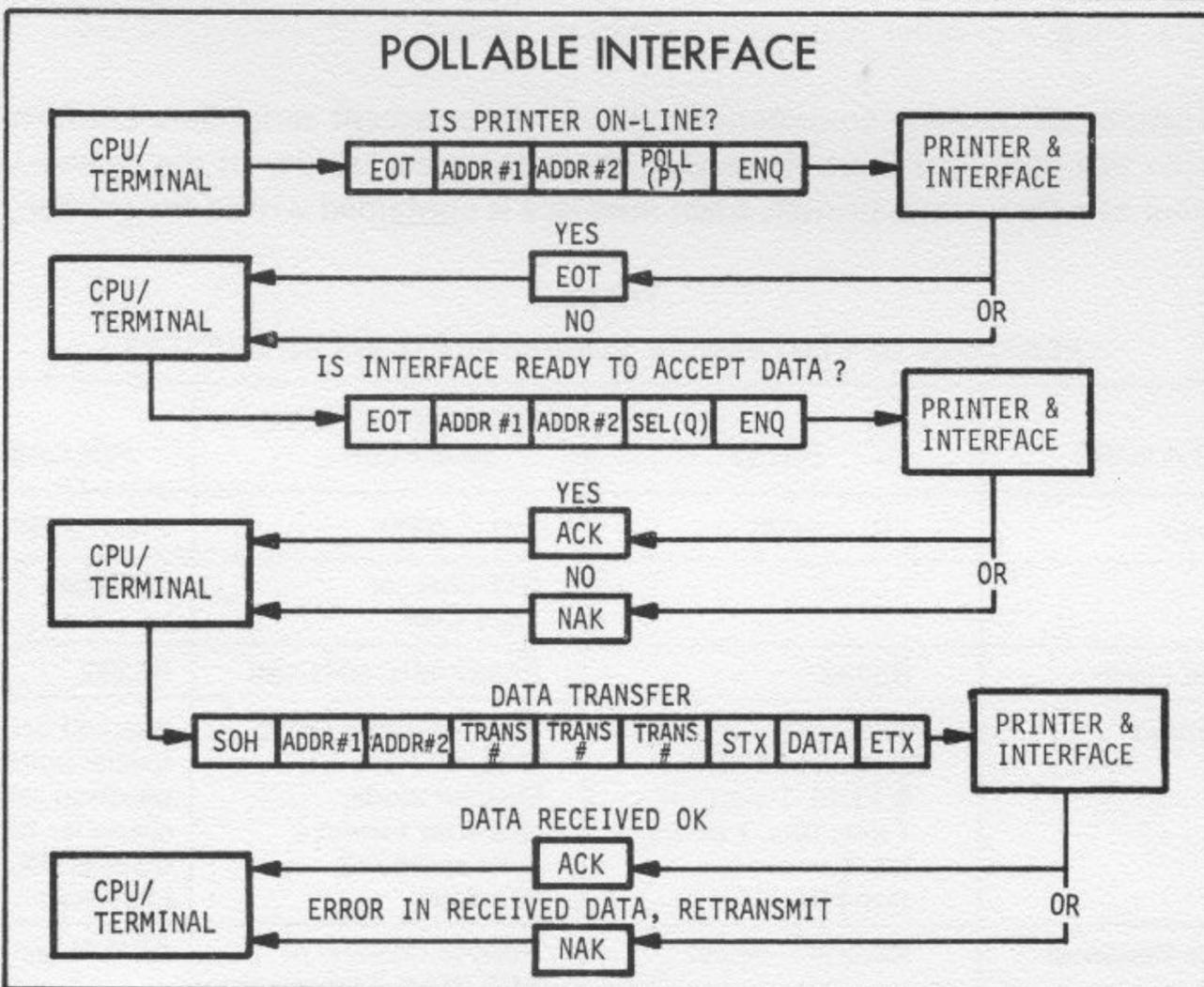
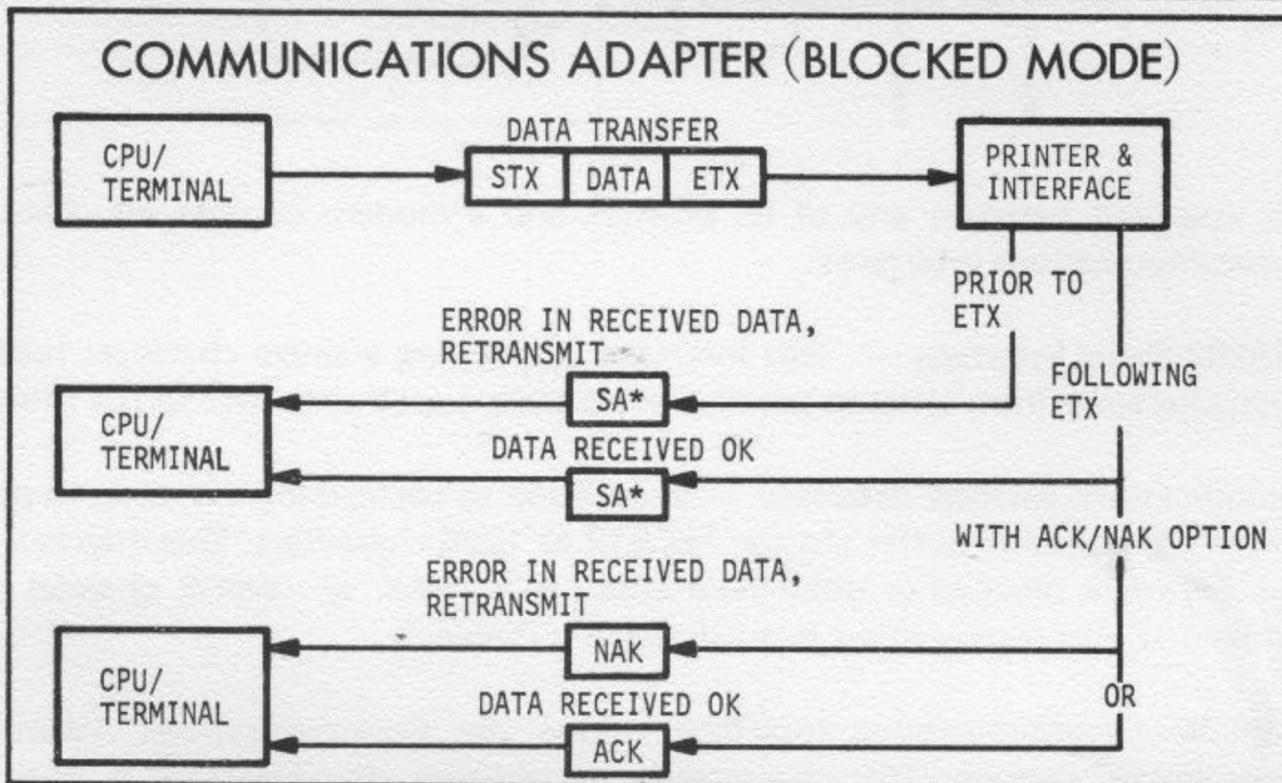
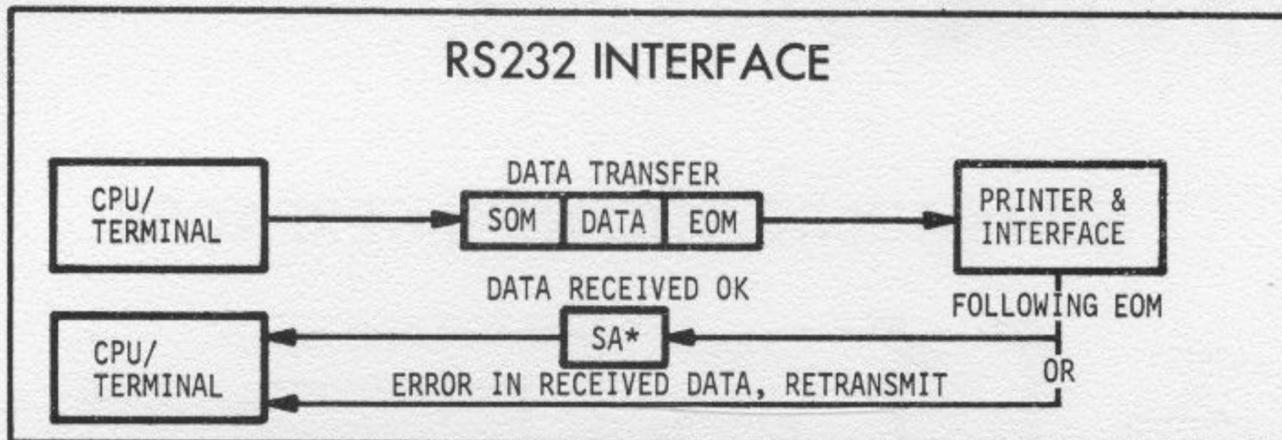
- (1) **An RS232 Serial Interface** — This interface, containing a single character buffer, converts each received character from serial to parallel and transfers each character to the printer.
- (2) **Communications Adapter Interface** — In addition to performing the serial to parallel conversion, this interface contains buffer storage for 512 or 1024 characters. This interface also provides the choice between blocked or unblocked data, ACK/NAK or reverse channel response to data transmissions, and several other features listed in Table 1.
- (3) **A Pollable Communications Interface** — Like the Communications Adapter, this interface contains buffer storage (256 characters). In addition, the interface is both addressable and pollable. These and other features are listed in Table 1.

As a common feature, all of these communications interfaces accept serial data conforming to the RS232 standard, assemble this data into 7-bit characters, check the acceptability of the received data, and transfer this data in parallel to a Centronics printer. Each interface is contained within the printer.

TABLE 1
FEATURES OF CENTRONICS' COMMUNICATIONS INTERFACES

FEATURE	RS232	COMMUNICATIONS ADAPTER	POLLABLE
Baud Rate	110 — 9600	110 — 4800	110 — 2400
Buffer	--	512 Char. or 1024 Char.	256 Char.
Interface Levels	RS232	RS232/MIL STD-188	RS232
Data Format	Unblocked serial data, bracketed by SOM & EOM, 1 start bit, 7 data bits, 1 parity bit, 1 or more stop bits.	Blocked mode, (STX, Data, ETX) or Unblocked mode, character format same as RS232 interface.	Blocked data with special polling and selection sequence, character format same as RS232 interface.
Interface Response	Reverse Channel	Reverse Channel or ACK/NAK Transmission	ACK/NAK Transmission
Error Detection	Character Parity Check	Character Parity, Break & Overrun Check.	Character Parity, Break & Overrun Check.
Auto Answer	--	Available	--
Horizontal Tab	--	--	Can tab up to 99 spaces.

TRANSMISSION SEQUENCES



*Reverse channel

CENTRONICS

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 Patents pending in U.S.A. and other countries.

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