

Communications

ST78C36

ECP/EPP Parallel Printer Port with 16 Byte FIFO

Features

- IBM AT bus compatible
- Bi-directional port capability
- 16 byte FIFO for ECP modes
- On-chip oscillator (ST78C36A, ST78C36CQ64)
- Software selectable Interrupt (5, 7, or 9) and 8-bit DMA channel (ST78C36CQ64)

The ST78C36/36A is a monolithic Parallel Port Interface for use with IBM PC compatible platforms. Operation as a standard Centronics printer port is the default, but software may reconfigure the device to support bi-directional IBM PS/2 parallel port, Enhanced Parallel Port (EPP), or the Extended Capabilities Port (ECP, as defined by Hewlett Packard and Microsoft) modes.

The ECP modes are supported by a 16 byte FIFO that may be accessed by programmed I/O or DMA cycles.