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TransEra Model 650 GPIO Interface

Features

• Cable and software compatible with HP 98622 GPIO interface

• 16 logic programmable TTL data input lines

• 16 logic programmable open connector 30V data output lines

• Flexible communication

• Logic programmable handshake lines

• Peripheral or interface ready interrupts

• Four general-purpose I/O lines

• Loadable software drivers for the TransEra HTBasic Legacy DOS Version

• Fits any 16-bit ISA slot

• Choice of 7 interrupt lines

• Selectable I/O address range

• Selectable DMA channel

Description

The TransEra Model 650 GPIO interface provides communication with digital peripherals using HTBasic for DOS on an IBM PC or compatible (not supported under Windows). The GPIO board provides 16 logic programmable open collector 30V data output lines and 16 TTL logic programmable data input lines. The input lines are tied to pull up termination resistors and have a maximum input voltage of 5.5 volts. The handshaking lines consist of transfer start, transfer direction, peripheral acknowledge, and peripheral ready. Further control is accomplished with the peripheral reset and interrupt request lines. There are also an additional four general-



HP 98622 GPIO Compatibility

The TransEra Model 650 GPIO interface is designed to be highly compatible with the Hewlett-Packard Model 98622 GPIO card. The HTBasic loadable software driver provides complete software compatibility with the Hewlett-Packard 9000 series 200/300 workstations. HTBasic currently supports all GPIO capabilities including DMA with a TRANSFER statement.

GPIO Cable

Because the TransEra Model 650 GPIO card uses a compatible connector, either an existing HP cable or a new cable may be used. A matching ten-foot cable with a connector attached to one end and open wires on the other is available to fill various cable and interfacing needs.

Specifications

Interrupts: Levels 5,7,9,10,11,12,15 software selectable

I/O Addresses: 96 selectable addresses, 08h increments in the range 100-3F8h

DMA channels: 3-5 software selectable

Dimensions: 4.00 in x 6.5 in, fits any 16-bit ISA slot

purpose lines that can be used for custom handshaking or general bit level I/O.

Connector: 50 pin

Power: 0.5 A @ +5V from 16-bit I/O slot

Environment: 0 to 50 Deg C; RH 10-85% non-condensing

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