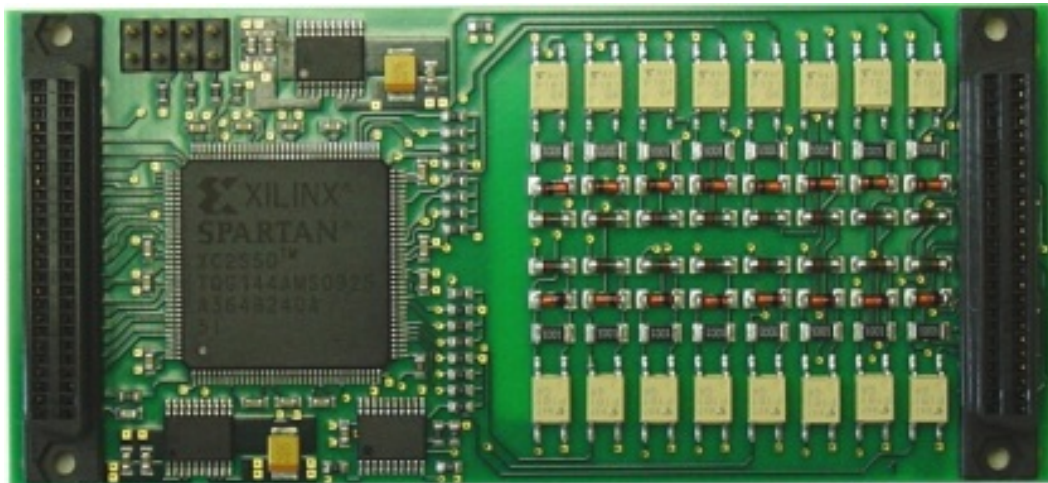


## TIP605 16 Interrupt generating Digital Inputs



### Application Information

The TIP605 is an IndustryPack® compatible module with 16 digital inputs galvanically isolated by optocoupler. The individual inputs are potential free in relation to each other. A high performance input circuit ensures a defined switching point and polarization protection against confusing the pole.

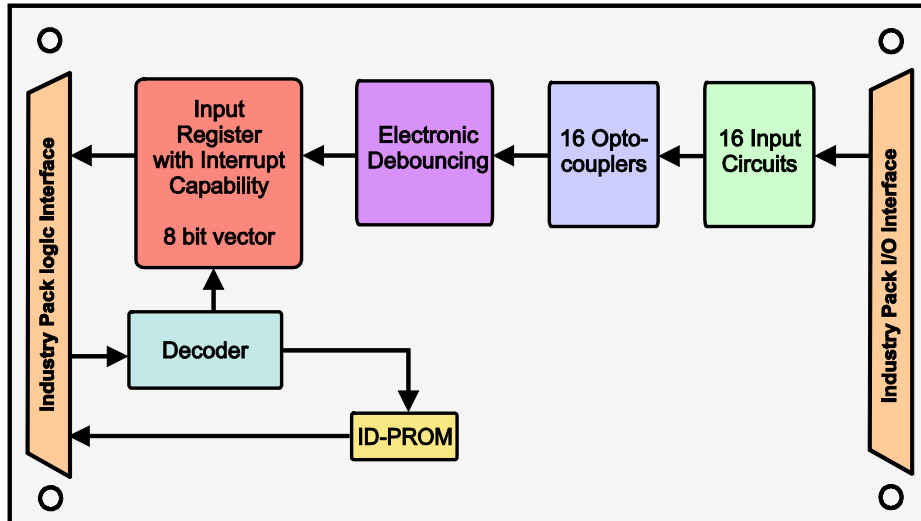
All inputs have an electronic debounce circuit with a freely programmable debounce time. All inputs can generate an interrupt. The signal edge handling is programmable. For

the TIP605 the operating temperature range is  $-40^{\circ}\text{C}$  to  $+85^{\circ}\text{C}$ .

The driver software TIP605-SW-xx provides functions to configure the TIP605, read the input status and connect software events to input state changes.

### Technical Information

- Interface according to IndustryPack specification
- Identification-PROM supports auto-configuration
- Single Size IndustryPack
- 16 interrupt generating digital inputs
- 24V signal voltage for inputs, other voltages on request
- Optocouplers for galvanic isolation of input to computer system
- All inputs isolated against each other
- All inputs protected against confusing the pole
- All inputs have an electronic debounce circuit, debounce time is freely programmable
- Operating temperature  $-40^{\circ}\text{C}$  to  $+85^{\circ}\text{C}$
- MTBF (MIL-HDBK217F/FN2  $G_B$   $20^{\circ}\text{C}$ ) TIP605: 703000h



### Order Information

#### RoHS Compliant

**TIP605-10R** 16 Digital Input, 24V, isolated, pgm. interrupts, pgm. Debounce, ext. temp.

For the availability of non-RoHS compliant (lead solder) products please contact TEWS.

#### Documentation

**TIP605-DOC** User Manual

#### Software

**TIP605-SW-42** VxWorks Software Support (Legacy and VxBus-Enabled Software Support)

**TIP605-SW-65** Windows Software Support

**TIP605-SW-82** Linux Software Support

**TIP605-SW-95** QNX Software Support

For operating systems please contact TEWS.