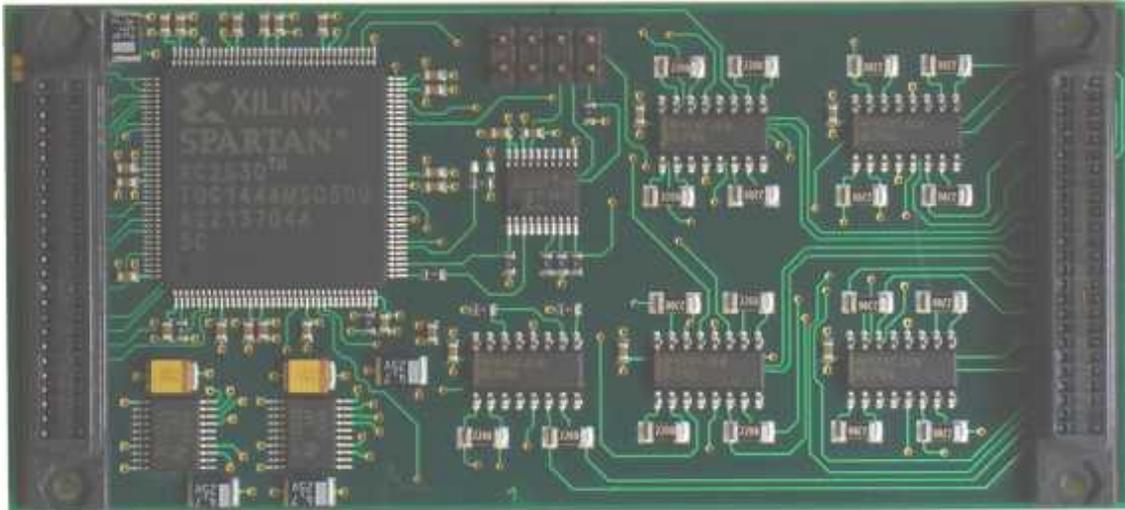## TIP119   6 Channel 16 bit Quadrature Decoder Counter

Application Information

The TIP119 is an IndustryPack® compatible module providing six channels of quadrature decoder inputs. Each channel has a dedicated 16 bit wide quadrature decoder counter.
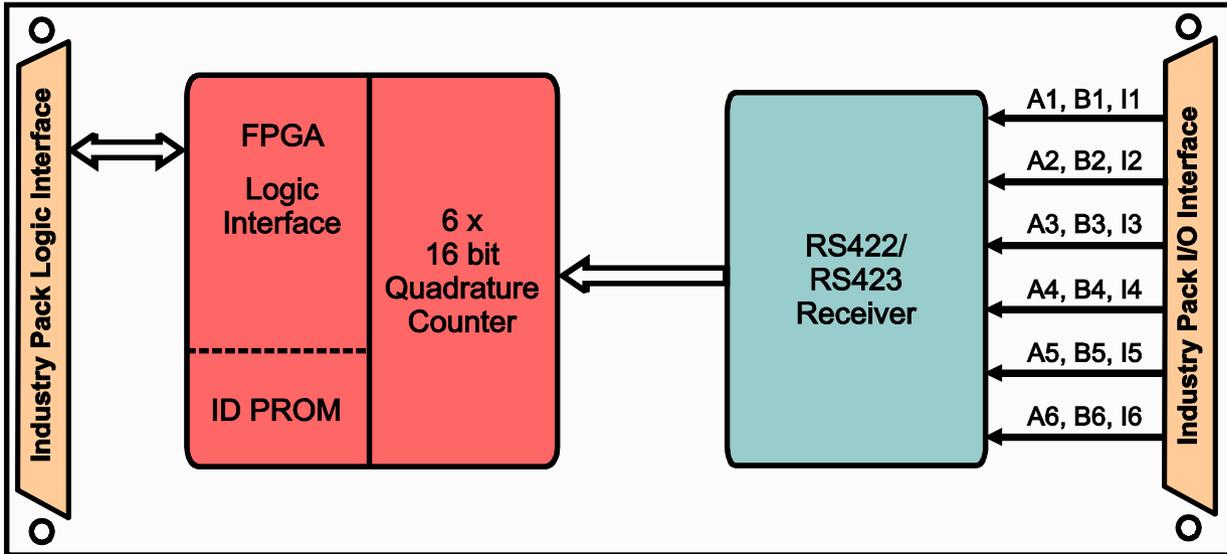
The input signals can be of RS422A and RS423A level and pass a digital filter for noise suppression before they are fed into the counter.

An interrupt can be generated at counter over- or underflow or on assertion of the index input. An 8 bit interrupt vector is supported.

Software support (TIP119-SW-xx) is available for different operating systems.

Technical Information

- ❏ Interface according to IndustryPack specification
- ❏ Single Size IndustryPack
- ❏ 6 Channels 16 bit quadrature counter
- ❏ Vectored interrupt
- ❏ Inputs RS422/RS423 compatible
- ❏ 1.3 MHz maximum tracking rate
- ❏ 220 ohm input impedance
- ❏ Operating temperature 0°C to +70°C

Order Information

RoHS Compliant

TIP119-10R   6 Channel 16bit Quadrature Counter, RS422 inputs

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

Documentation
TIP119-DOC   User Manual

Software
TIP119-SW-42   VxWorks Software Support (Legacy and VxBus-Enabled Software Support)
TIP119-SW-65   Windows Software Support
TIP119-SW-82   Linux Software Support
TIP119-SW-95   QNX Software Support

For other operating systems please contact TEWS.