APIX Industrial Automation

What's an *ISODAQ*?

Answer :
Heavy Duty I/O Compressed into a single
Component ready off the shelf for your Design.

SIGNAL CONDITIONING

+

QUAD ISOLATION

- Channel-to-Channel
- I/O Signal
- Power
- Communications Link

+

A/D PROCESSING

=

8 Channels

8 Channels

8 Channels

8 Channel ISODAQ

Signal conditioning
converts signals so field
sensors, transmitters
and transducers can
interface with DCS,
PLC and PC-based
SCADA systems.

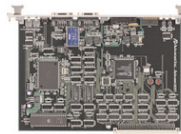**Quad Isolation** breaks ground loops,
blocks high voltage surges and rejects
high common-mode voltage.
It provides significant relief from ground
and channel-to-channel noise.
Quad Isolation offers safety and high
quality signal data.

**Analog to Digital
Conversion (A/D)**,
Linearization, Scaling
and Digital Filtering
will transform the
analog signal value to
proper digital format for
computer processing.

- Ideal for embedded applications directly on your own boards !
- Quad Isolation 3 KV/Ch including 2 KV channel-to-channel
- No multiplexing, all independent channels
- Chose mixed channel option on same Daqpak for big savings !
- Stand alone and easy to use
- Available for a wide variety of field I/O
- All channels convert at 1 millisecond rate synchronously
- Eight analog or 8 to 32 Digital I/O channels
- Communicate via serial link SPi, Modbus-RTU or Profibus-DP
- Each ISODAQ module is hermetically sealed and there are
 no potentiometers or other mechanical sources of error
- 0utstanding long term stability and reliability
- Temperature Range -40 to +85 C
- Dimensions 46mm x 51mm x 13mm, (1.8x2x0.5)"
- Low cost !