



**gentec**

# Analog Input Card

## 16-Channel Card

**Gentec Analog Input Card allows to monitor and process up to 16x isolated input signals**

### FEATURES

#### Throughput

Full throughput available via 100 Base-TX / 100 Base-FX Ethernet links

#### Fail-safe

Watchdog and reset circuits allow to continuously monitor the proper performance of the input switching section

#### Auto-Calibration

All input channels self-calibrate at start-up

#### Synchronization

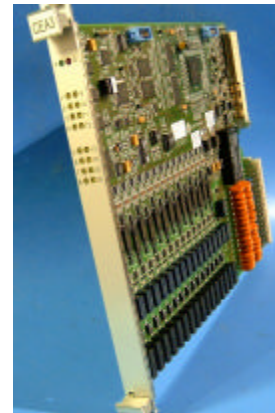
IRIG-B Sync is available with Gentec PES3 shelf

#### Hot swappable

#### On-line diagnostics

#### Visual Indicators

Input status is available by means of LEDs on the card faceplate



### SPECIFICATIONS

#### Inputs

Input Channels	16x isolated differential
Scale & Range	$\pm 2.56\text{Vdc}$ or $\pm 10.24\text{Vcc}$
Resolution	16-bit
Accuracy	0.2%
Isolation	2 100Vdc
Sampling Rate	0–240Hz (per channel)
Full Bandwidth	2Hz
CMNR	95dB @ 60Hz

#### Processor & Comm.

Processor	Motorola MPC series
Storage	16MBytes of on-board memory with expandable storage
Comm. Ports	100 Base-TX / 100 Base-FX

#### Environmental

Operating temperature	0-25C—55°C (-13°F—131°F)
Storage	-40°C—85°C (-40°F—185°F)
Humidity	0-95% non-condensing
Cooling	Natural or Forced if required
Altitude	0% 0—1000m (3300ft)

#### Mechanical

Dimensions (HxDxL)	233.3 x 289.36 x 20.32mm
Material	Aluminium
Housing	Gentec PES3 shelf
Connector	DIN 41612 type E
Indicators	Card Status—1x Communication Status—1x Inputs Status—16x

#### Safety (PES3)

Environment Testing	IEC 60068-2-1 /-2 /-3
Fire Resistance	UL 94V-0
Shock & vibration	IEC 60255-21-1
SWC	IEC 60255-22-1 /-4
ESD	IEC 61000-4-2
EMC R/C	IEC 61000-4-3 /-6