



gentec

Binary Input Card 32-Channel Card

**Gentec Binary Input Card
allows to monitor and process
up to 32x binary input points**

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.

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	32x optically isolated
Grouping	2x groups of 16x channels
Reference	24Vdc isolated
Burden (per channel)	10mA
Isolation	2 100Vdc
Scan Rate (per channel)	500us
Filtering	Adjustable from 2—65ms

Processor & Comm.

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

Environmental

Operating temperature	0°C—55°C (32°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)	233.3mm x 289.36mm x
Material	20.32mm
Housing	Aluminium
Connector	Gentec PES3 shelf
Indicators	DIN 41612 type E
	Card Status—1x
	Communication Status—1x
	Inputs Status—32x

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 Radiated/Conducted	IEC 61000-4-3 /-6