



## GT-3928

8 analog inputs

0~5 / -5~5 / 0~10 / -10~10 V

12 bit resolution

Differential (non-isolated between channels)

18pt removable terminal block

## Facts

### General description

Article number	100-8152
Warranty	Up to 2 years
Article status	Active
Shock operating	IEC 60068-2-27 (15G)
Vibration resistance	Sine vibration (based on IEC 60068-2-6), 5 ~ 25 Hz: $\pm 1.6\text{mm}$ , 25 ~ 300 Hz: 4G, Sweep rate: 1 octave/min., 20 cycles, Random vibration (based on IEC 60068-2-64), 10 ~ 40 Hz: $0.0125\text{g}^2/\text{Hz}$ , 40 ~ 100 Hz: $0.0125 \rightarrow 0.002\text{g}^2/\text{Hz}$ , 100 ~ 500 Hz: $0.002 \text{g}^2/\text{Hz}$ , 500 ~ 2000 Hz: $0.002 \rightarrow 1.3 \times 10^{-4}\text{g}^2/\text{Hz}$ , Test time: 1hrs for each test
Industrial emissions	EN 61000-6-4/A11: 2011
Industrial immunity	EN 61000-6-2: 2019
Product certifications	Horisontal, Vertical CE, UL, cUL, FCC, RoHS, China RoHS, Reach
Power dissipation	Max. 200 mA @ 5 VDC, 0 mA @ 24 VDC
Isolation	I/O to Logic: Photocoupler isolation, I/O to Field Power: Non-Isolation
Field power	Not used. Field power bypassed to next expansion module.
Weight	65 g
Module size	12x109x70 mm

### Environmental

Mounting	35mm DIN rail
Operating temperature	-20 ~ 60°C
Storage temperature	-40 ~ 85°C
UL temperature	-20 ~ 60°C
Relative humidity	5 ~ 90% non-condensing

### Analog input module specifications

Calibration	Not Required
Conversion time	$\leq 2.2$ ms, all channels
Data format	16 bit integer (2's complement)
Indicators	1 green G-bus status
Input impedance	667 k $\Omega$
Inputs per module	8 channels
Module accuracy	$\pm 0.1\%$ Full Scale @ 25°C, $\pm 0.3\%$ Full Scale @ -40°C, 70°C

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