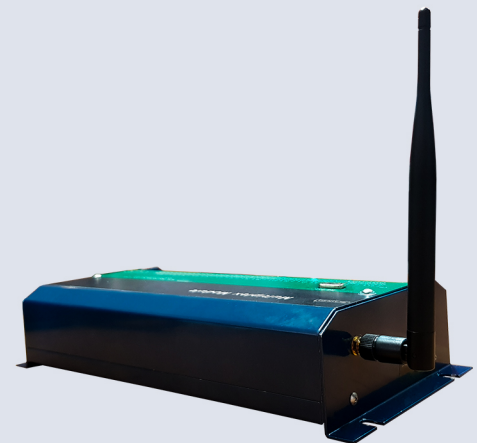
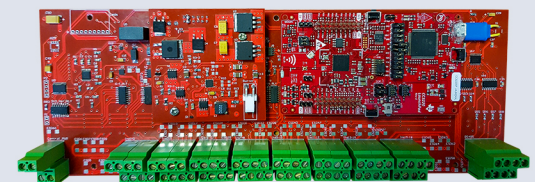
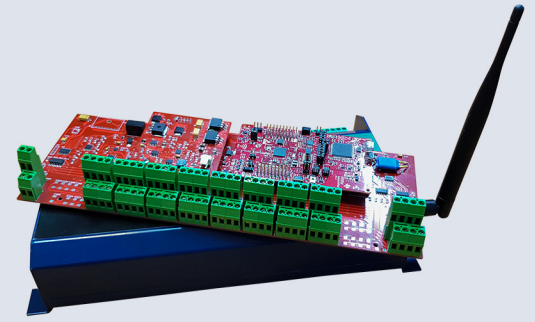


Data Acquisition System – GDAM-D1

Where too many instruments should be read or continuous recording is necessary, an automatic data acquisition system (DAS) shall be used. The GDAM/E-D1 product is a versatile smart data logger that can be used for different engineering applications. It accepts main input types including voltage, temperature, 4-20 mA current, bridges and frequency. Each GDAM/E-D1 can read up to 32 common referenced or 16 differential analog input or 16 4-20 mA current or combination of them. It supports a 5 / 3.3V regulated and 18V output to power sensors.

The main module (GDAM-D1) is daisy chained (RS485/PWR) to expansion modules (GDAE-D1). Altogether, it is capable of reading 1024 instruments based on a pre-programmed sequence and store up to 33 million data records. Communications features include RS485, USB and WLAN.



Application

Some of the applications of this instrument are :

- Reading data from remote and inaccessible instruments.
- Record and save data continuously with no interruptions.
- Alarming the engineers when data exceeds a pre-defined threshold.

Technical Spec

Total no. of channels of each module is 16-32 from combination of the following Input types	
5V Single-Ended Analog Voltage Input	32
±5V Differential Analog Voltage Input	16
3.3V Single-Ended Analog Voltage Input	32
±3.3V Differential Analog Voltage Input	16
4-20 mA Input	16
VW Input+Thermistor	16

General Specifications			
Data storage capacity	512 MB-33 Mil. records	Power supply	12VDC
Communication interfaces	RS485/USB/Wlan	Internal battery	10 Hours
Terminal base Assembly	Fixed	Accessories	Adaptor
Resolution	0.01Hz (VW strain gauge)	Sensor excitation	3.3VDC/5VDC/15VDC(F 4-20mA Sensors/5V Square Wave
	0.01mm (displ. Sensors)		
	1µv/v (load cells)		
	1µA (pressure cells)		
	1 mDeg. (tiltmeter)		
Material of the case	Powder coated alloyed Aluminum	Weight	1050 gr
Sensor support	V, mV, Hz, T, 4-20mA, Ω	Dimensions (LxWxH)	320x130x60 mm