GT-UniLogg Logger

GT-UniLogg is a high performance, low power, and efficient logger. It is designed to eliminate the needs of additional server or modem on observation site. This logger provides basic utility for observation such as database, real time data monitoring via web browser, data transfer via embedded GSM modems, web based configuration, and many more. The reports can then be transmitted through FTP, HTTP, Socket TCP, SMS, and MQTT to the server.

SPECIFICATION

Microprocessor	48 MHz, 16 Bit MCU Low Power
Analog Input	10 channel 12 Bit ADC, single ended, 2 wire common reference
Digital Input	1 channel pulse counter
Digital Output	3.3 V with 1 mA average
Virtual Channel	Min, Max, and Avg math calculation
Memory	1 MB ROM and 3 MB RAM
Communication	2 port RS232, 1 port RS485, 1 port microUSB, & 1 port RJ45
Configuration System	Easy configuration with xml web based
RTC	Real time clock with optional battery backup, 1 min/years accuracy
Telemetry System	FTP, HTTP, Socket, MQTT, and SMS
	Auto retry data transfer when network fails (data telemetry system included)
Modem	Integrated modem GPRS (3G & 4G optional)
	Quad band 850/900/1800/1900 MHz
	GPRS Mobile Class B
External Memory	Micro SD card slot, supporting standard and high capacity SD cards up to 32 Gb
Display	2.7 inch
Power Consumption	<20 mA @ 12 VDC
Power Supply	8 – 36 VDC
Operating Temp	-20° C to 70° C
Operating Hum	0 - 100%
Protection	per IEC 1000-4-2; ±15 kV air, ±8 kV contact discharge