GPRS Data Logger

CL27



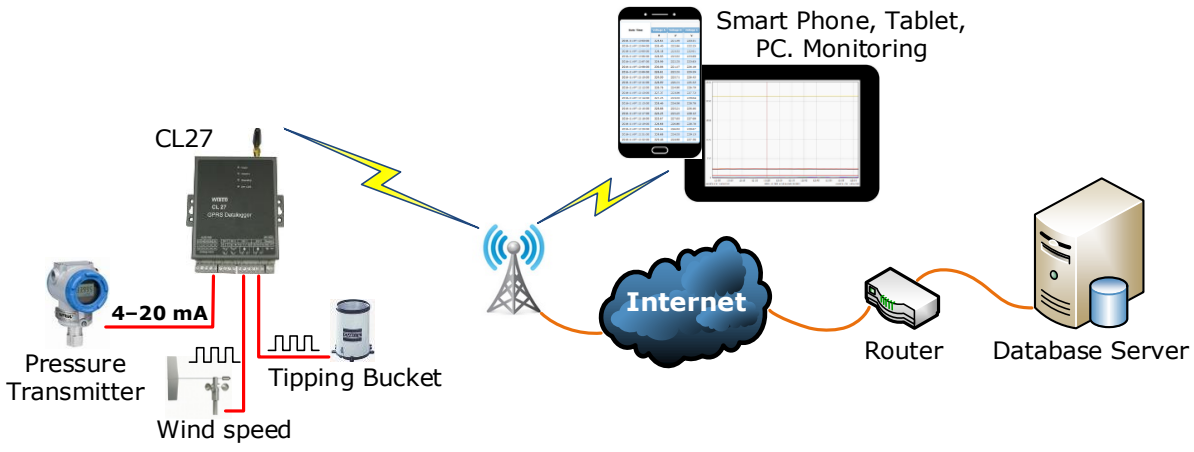
- Smart Phone, Tablet, PC. Real Time Monitoring
- 4 Channels Analog Input
- 2 Channels Totalizer
- 3G/4G (HSDPA/LTE) Data Transfer
- Use a standard SIM. (Without having to rely on SIM Fix IP.)
- Centralize data logger (Logger on common Database: MySQL, SQL Server)
- SMS Alarm (Send alarm to define number)
- Two Relay Output Control VIA SMS

GPRS Data Logger CL27 is data logger for recording Analog and Digital (Totalize). Data will be sending to Server: MySQL, SQL Server (Centralized Data Logging System) via internet by GPRS signal. Can view data simultaneously via Smart Phone, Tablet, PC.

Analog Input can be choosing as 4-20mA, 0-100 mVdc, 1-5Vdc, 0-5Vdc, 0-10Vd. CL27 will continuously record all the data with stamping of date and time. CL27 can do remote configuration and Monitor. It can set alarm and send SMS to user once alarm has been occurred.

Totalized Input such as Totalized of Flow meter, Kwh of power usage.

Relay Output - 2 Relays Output which control by sending SMS to device.



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Specifications

Cellular Interface

Frequency Bands:
FDD LTE: 800/850/900/1800/2100/2600 MHz
TDD LTE: 2300/2500/2600 MHz
WCDMA: 850/900/2100 MHz
GSM: 900/1800 MHz

LTE Version: 3GPP E-UTRA Release 10

Data Transfer (Max.):
4G FDD LTE: 150 Mbps (DL), 50 Mbps (UL)
4G TDD LTE: 130 Mbps (DL), 35 Mbps (UL)
3G DC-HSPA+: 42 Mbps (DL), 5.76 Mbps (UL)
3G UMTS: 384 Kbps (DL), 384 Kbps (UL)
3G TD-SCDMA: 4.2 Mbps (DL), 2.2 Mbps (UL)
2G EDGE: 236.8 Kbps (DL), 236.8 Kbps (UL)
2G GPRS: 85.6 Kbps (DL), 85.6 Kbps (UL)

Output power:
FDD LTE 1800: 3.21 W
TDD LTE 2600: 1.7 W
WCDMA 850: 2.69 W
GPRS 900: 2.1 W
EDGE 900: 1.66 W

SIM Card Holder: Standard SIM

USB Interface

Compliance: USB 1.1/2.0
Connector: USB Type B
Speed: 12 Mbps (Full-Speed USB)
Class: CDC

Analog Input

Number of Channel: 4 Channels
Input Type: Current, Voltage

Input Range:
Current (4 to 20 mA)
Voltage (0 to 5, 1 to 5, 0 to 10 VDC Optional)

ADC Resolution: 16 Bits
Accuracy: ± 0.2 % of span

Digital Input

Number of Channel: 2 Channels
Sensor Type: NPN open-collector or dry contact
I/O Mode: DI or Even Counter

Dry Contact:
ON : Short to GND
OFF : Open

Counter Frequency: 20 Hz
Minimum Pulse Width: 50 msec

Relay Output

Number of Channel: 2 Channels
Relay Type: N.O. or N.C.

Contact Rating:
6 A @ 250 VAC
6 A @ 30 VDC

System Requirement

Web Server: Apache 2.2, IIS
Script: PHP 5.4.3
Database: MySQL 5.5, SQL Server

Recording

Storage Internal: Flash Memory 8 MByte
Recording Interval: 1 sec - 18 Hours (Programmable)
Recording Mode: Stop When Full
Recording by: Interval, Schedule, Appointment
Data Format: Can be exported to MS Excel
Data Capacity: 260,000 Records

Power Requirements

Power Supply: 12 to 24 VDC

Power Consumption

Standby: 130 mA @ 12 VDC
GPRS Link: 300 mA @ 12 VDC

Environmental Limits

Operating Temperature: 0 to 55 °C
Operating Humidity: 5 to 95% RH
Storage Temperature: 0 to 70 °C

Physical Characteristics

Dimension: W100 x H123 x D30 mm.

Warranty

Warranty Period: 5 Year

Ordering Information Specify input range
Example CL27/4-20mA

Package Checklist

1. CL27 2. Antenna 3. USB Cable

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Centralized Data Logging System

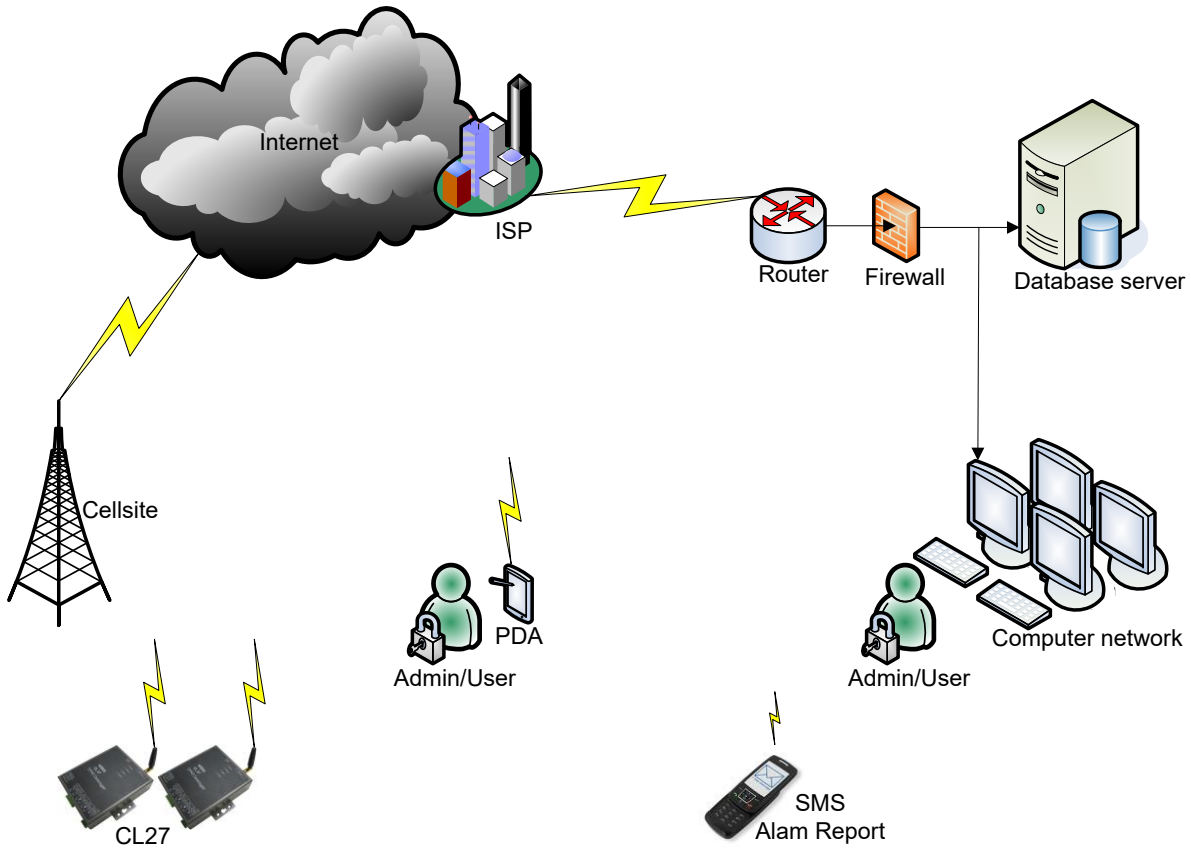


Figure 1 Centralized Data Logging System

Figure 1 show diagram of Centralized Data Logging System. Centralized Data Logging System is the system that combines ability of server and internet network. All data will be sending to server then data will be spread out using internet network. It is easy to get a data, long distance is not a problem, and everyone will get the same information no matter wherever they are.