Ethernet Data Logger

CL28

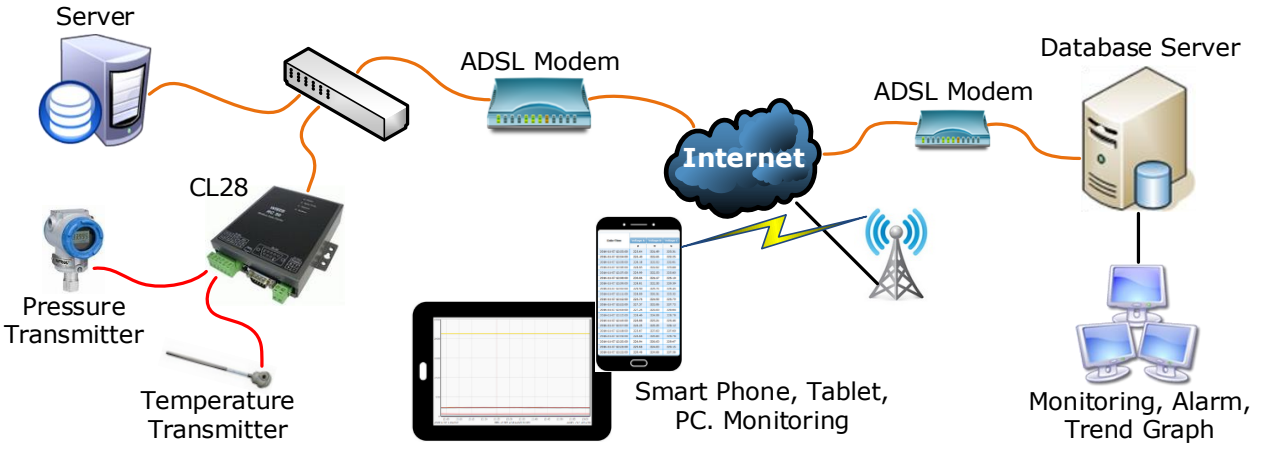


- Smart Phone, Tablet, PC. Real Time Monitoring
- 4 Channels Analog Input
- 2 Channels Totalizer
- Ethernet Data Transfer
- Centralize data logger (Logger on common Database: MySQL, SQL Server)
- Flash memory 1 MByte

Ethernet Data Logger CL28 This device records both analog and totalized data, transmitting the recorded information via an ADSL modem or router over the internet to the Centralized Data Logging System's servers (MySQL, SQL Server). The data can be viewed simultaneously on smartphones, tablets, or PCs.

Analog Input Selectable measurement signals include 4-20 mA, 0-100 mVDC, 1-5 VDC, 0-5 VDC, and 0-10 VDC. The CL28 continuously records measurements to its memory, with each entry timestamped with the date and time; real-time monitoring is also supported.

Totalized Input It counts input pulses and records the count values at user-defined intervals; examples of applications include recording totalized flow values or electricity consumption in kWh.



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Specifications

Ethernet Interface

Number of Port: 1
Connector: RJ45 (10 Base-T)
Standard: Accord 10 Base-T/100 Base-T standard
Speed: 10/100 Mbps, Full-duplex, half-duplex
Data Rates: 300 - 115,200 bps
Transmission: 100 m.

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 20mA)
Voltage mVDC (0 to 100 mVDC (Optional))
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
Maximum Frequency: 20 Hz
Minimum Pulse Width: 50 msec

System Requirement

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

Recording

Storage Internal: Flash Memory 1 MByte
Recording Interval: 1 sec - 18 Hours (Programmable)
Record Mode: Stop When Full
Recording by: Interval, Schedule, Appointment
Data Format: Can be exported to MS Excel
Data Capacity: 37,000 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

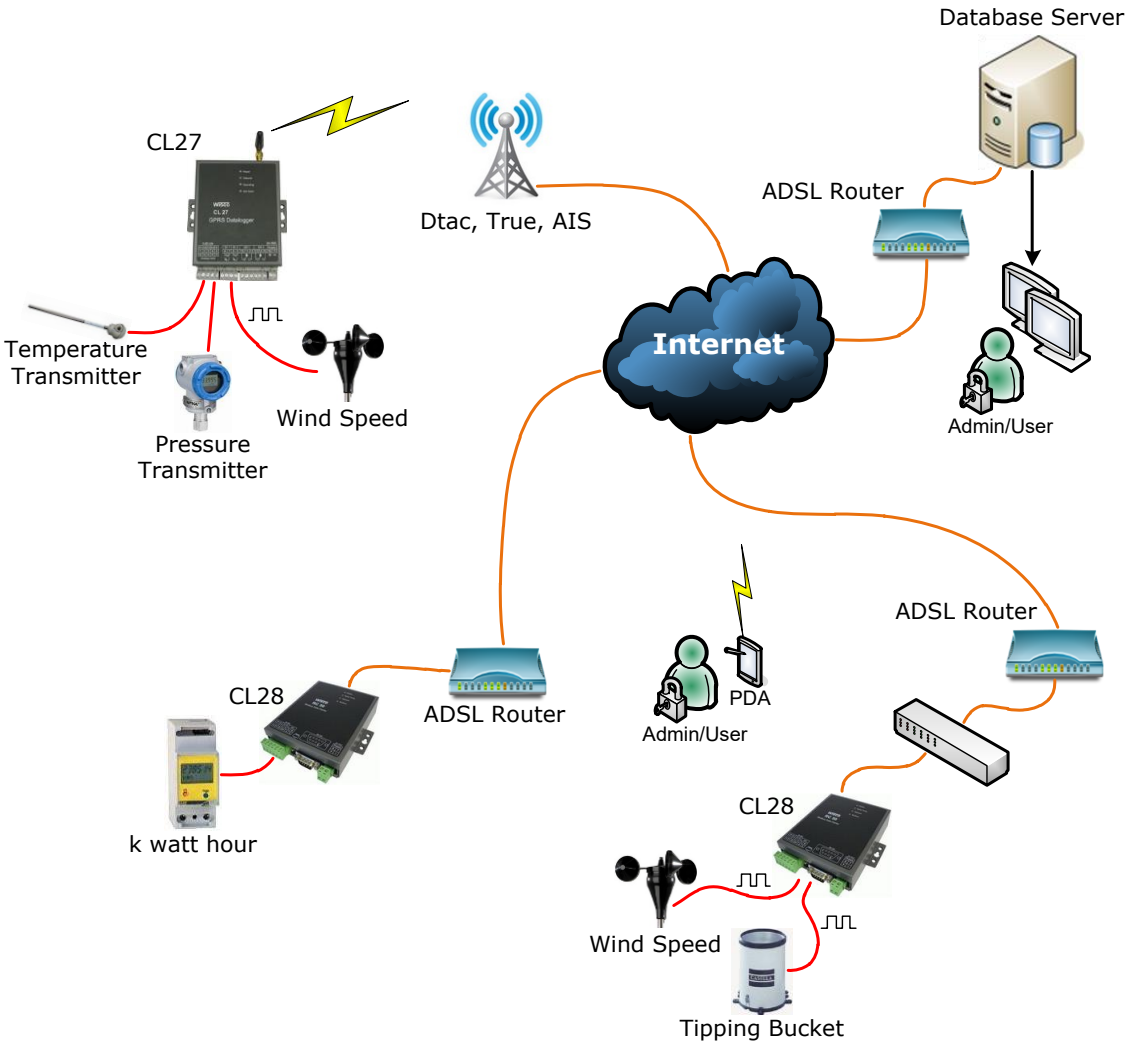
Ordering Information Specify Input Range
Example CL28/4-20mA

Package Checklist

1. CL28 2. USB Cable 3. LAN Cable

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Centralized Data Logging System



Show an overview of the Centralized Data Logging System.

The diagram illustrates a Centralized Data Logging System evolved from a standard server-based database system. Simply put, the CL28 transmits data via an ADSL modem or router over the internet to the system's server; the data stored on the server can then be accessed from anywhere using a computer, PDA, mobile phone, or any other internet-enabled device.

In essence, a Centralized Data Logging System is a network-based, centralized data storage solution that leverages server capabilities and the Internet. Data is aggregated at a central server and distributed via the Internet, facilitating easy management and remote access from any location with connectivity, thereby eliminating the need to physically retrieve data directly from the devices themselves.