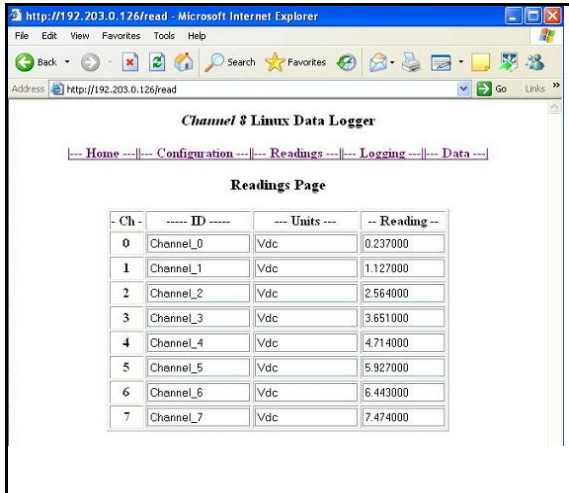


# Channel 8 Data Logger

## Linux Data Acquisition



Ch	ID	Units	Reading
0	Channel_0	Vdc	0.237000
1	Channel_1	Vdc	1.127000
2	Channel_2	Vdc	2.564000
3	Channel_3	Vdc	3.651000
4	Channel_4	Vdc	4.714000
5	Channel_5	Vdc	5.927000
6	Channel_6	Vdc	6.443000
7	Channel_7	Vdc	7.474000

## Features

- 8 Channel Data Logging for Linux
- Use with External A/D Converters
- Works Over LAN and Internet
- Remote Data Display & Configuration
- Browser Interface
- Data File Download via FTP
- Open Source Software
- Simple Driver Development

## Description:

*Channel 8* is a data logging system for Linux that allows the user to record and display up to 8 analog readings from an external A/D converter. The user interface is a webserver so that *Channel 8* can be used over a LAN or the Internet. *Channel 8* provides user-specified scale and offset factors for each channel to convert the analog readings into engineering units.

Readings can be viewed at any time via browser and updated by simply refreshing the webpage. The data can be logged to a text file at scan rates from 1 scan/minute to 1 scan/hour. The data file can be viewed at any time from the browser or downloaded via FTP.

## Open Source Software:

*Channel 8* is open source software available under the terms of the GNU General Public License. That means you can modify or redistribute *Channel 8* with no license fee or royalty.

## Specifications:

**Number of Channels:** up to 8

**User Configuration:** Scale & Offset Factors  
Channel ID  
Units

**Recording Intervals:** 1, 2, 5, 10, 15, 30 & 60 Min

**Data Recording Format:** Text File

**A/D Interfaces:** Serial Port, Parallel Port

**A/D Drivers:** Supplied by User in C code

## *Channel 8 is Ideal for:*

- Remote Data Acquisition
- HVAC Studies
- Equipment Cooling Checks
- Environmental Measurements
- Linux Networking Experiments

## Documatrix

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