

# BITT Technology

## BITT-WEBDL




„BITT-WEBDL“ is a universal data logger consisting of hard- and software. The data logger is based on a CPU (ETRAX 100LX MCM 4+16) from AXIS. The system is running an embedded Linux as operating system. It acquires data from directly connected measuring instruments like a gamma detector and stores these data. “BITT-WEBDL” is able to visualize data directly through a web server in a similar way as its big brother “BITT SCADA 2006”.

#### Hardware features:

- ETRAX 100 LX MCM 4+16 CPU
- 16MB or 32MB RAM
- 8MB Flash
- 1 Ethernet port 10/100Mbit
- 1 USB connector external OR native RS232
- 1 USB connector internal
- 2 native serial ports (RS232)
- 1 RS485/422 OR native RS232 port
- MAXIM 1-wire interface connected to one RS232 port (alternatively over an external USB to 1-wire adapter)
- real time clock (RTC), powered by an ultra capacitor (1Farad), so changing of the battery isn't necessary!
- 4-row LCD Display
- 4-button keypad



#### Software features:

- Running Linux (2.4.x). 
- The acquired data are stored in a simple SQL database and/or files
- Every data is visualized through a web server.
- For specific purpose the “BITT-WEBDL can also provide the collected data through a FTP server.
- Every Browser can act as a client. The web page is optimized for MS Internet Explorer 6 but also tested with Firefox 1.5, Netscape 7.1 and Opera 8.51.
- Support of SSL (https and SSH)
- Charts and tables of every measured value
- Tables of status data via predefined queries or user defined queries.
- Configuration of various alarm triggers. The alarm notification can be carried out by email and SMS.
- Confirmation of every triggered alarm.
- Configuration of the station through the web page.
- Changing and adding of languages is very easy. The whole web page is stored in a dictionary. So it is possible to add every desired language. By default the dictionary contains English and German.
- Emergency and maintenance login over a console is provided at a native serial port.
- Login over Telnet and SSH is supported

#### Options:

- Via USB it is possible to connect several peripherals like printers, displays and modems.
- Flash memory is easily expandable via a flash memory stick connected to the USB port.
- Connections over SAMBA (eg. MS Windows shares).
- 10,4" / 12,1" / 15,1" TFT Display.
- Adapting the systems to special customer requirements is possible because Linux is used as operating system which offers many more features, than listed in this product folder!



for more information  
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Example for the BITT WEBDL

Includes:  
230VAC power supply  
2500mAh Li-Io accu pack  
WEBDL board  
4-row LCD Display incl. 4-button keypad  
Thermal printer (optional)

**Available starting from spring 2008**



for more information  
[www.bitt.at](http://www.bitt.at)  
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