

BITT Technology

BITT-WEBDL2



„BITT-WEBDL2“ is a universal data logger consisting of hard- and software. The data logger is based on an ARM9 CPU. 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”.

Hardware features:

- ARM CPU
- 64MB RAM
- 8MB Data flash (boot loader)
- SD Card / Mini SD Card
- 1 Ethernet port 10/100Mbit (PoE)
- 1 USB connector external
- 1 USB connector internal
- 3 native serial ports (RS232)
- 1 native RS232 port or alternative RS485/422
- 1 native RS232 port or alternative OLED
- 1 native RS232 debug port
- MAXIM 1-wire interface connected to one RS232 port
- Real time clock (RTC), powered by an ultra capacitor (1 Farad), so changing of the battery isn't necessary!
- JTAG (optional)
- I2C (optional)
- 4-row LCD Display incl. 4-button keypad (optional)

Software features:

- Running Linux (2.6.x).
- 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)
- Configuration of the station through the web page.
- 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).
- 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!



V1.1

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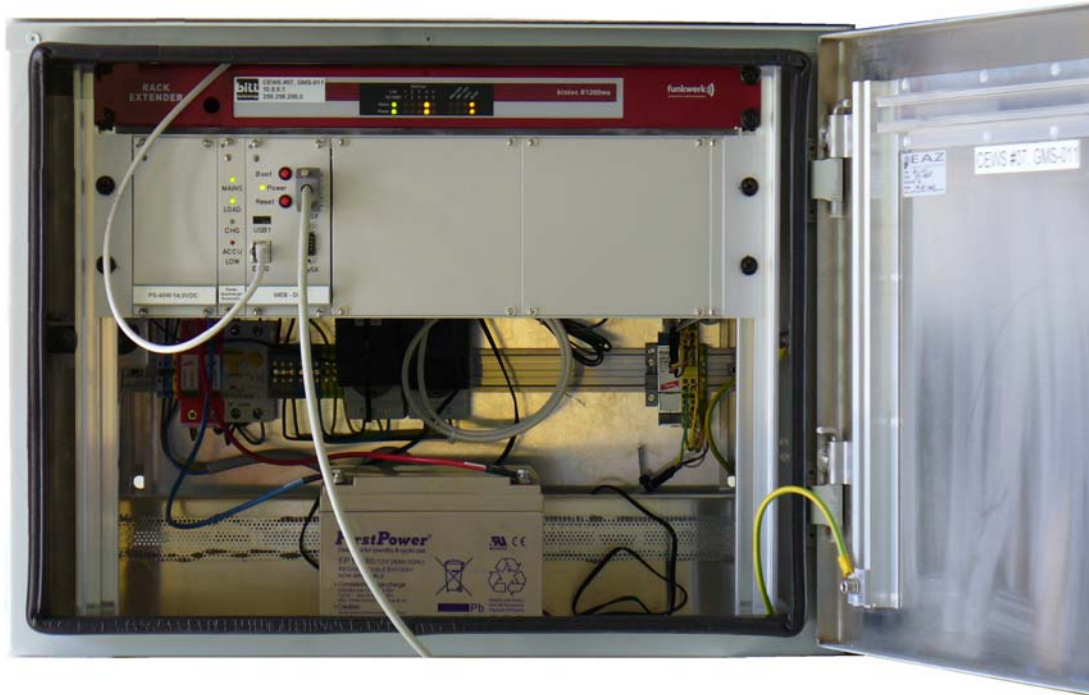
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Fixed-installed automatic gamma dose rate monitoring stations



- RS03 / X respectively RS04 / X gamma detector
- Automatic data transfer:
Local network, DSL / ADSL, GPRS (EDGE, UMTS),
or ISDN / analogue phone line.
- Automatic switch to backup communications
- VPN (SSH) for data protection
- Data transfer: FTP (Client / Server)
- Input for additional sensors, e.g. meteorological sensors
- Configuration respectively data query via web interface
- Local display – optional
- Local printing – optional
- 24-hour drop-out voltage bridge
- Battery, deep discharge protection
- surge protection
- IP54 protection
- Anti-corrosion design (aluminium housing)
- Easy installation, separate mounting of the removable back cover,
Door hinge right or left possible

face the invisibility