

# BSD - BSD PLUS



## Remote monitoring box

- Alarm management
- Monitoring and control
- Data logging and trending



The CRE Technology BSD is a single-box solution for remote monitoring of generating sets. It has built-in alarm handler, data logger and web based data presentation.

The product brings new opportunities to the generator market as it provides an easy-to-use solution for remote communication in a cost effective way. It includes pre configurations for the interfaced CRE products and also offers Modbus interfacing to third party controllers, allowing great flexibility.

### REMOTE MANAGEMENT TO IMPROVE CUSTOMER SERVICE AND CUT COSTS

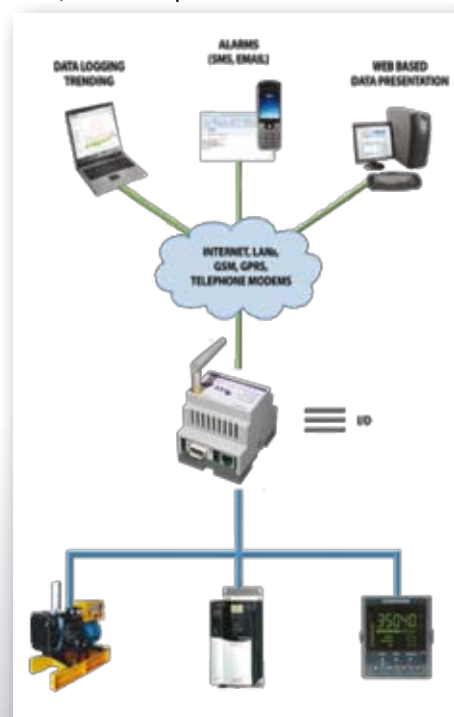
Making power plants accessible through a remote communication link saves time and money throughout the organization. Remote management will reduce travel costs, minimize downtime, provide accurate information instantaneously and make it possible to bring customer service to a new level. Depending on access level and configuration, it is also possible to start and stop the gensets remotely.

### PLUG AND PLAY CONFIGURATIONS

The solution includes plug and play configurations for CRE products that makes integration easy and avoids expensive investments, redesign and engineering work. The integrated web server provides easy access to live data and operational trends.

### FULL INFORMATION AVAILABILITY

BSD collects data from the genset controller and stores the information internally. The built-in web server makes the information available to the user through common web browsers. The information in the unit can be accessed using Ethernet LAN, the Internet and mobile phone networks (GSM/GPRS).



## FEATURES

- Built in web interface for data monitoring
- Built in alarm manager for SMS, E-mail and SNMP
- Built in data logger of historical trends
- Built-in web server for accessing device data
- "Plug and play " solution with CRE products
- Built-in digital I/O
- GSM/GPRS modem included (BSD PLUS)
- Remote access from any location
- GPS input for localization (BSD PLUS)
- Configuration using a standard web browser
- 10/100 Mbit/s Ethernet
- Password restricted access to control for security
- Compatible with other products using Modbus protocol
- All software included
- No license cost
- Full compatibility with information gathering server (third party service, not CRE Technology).

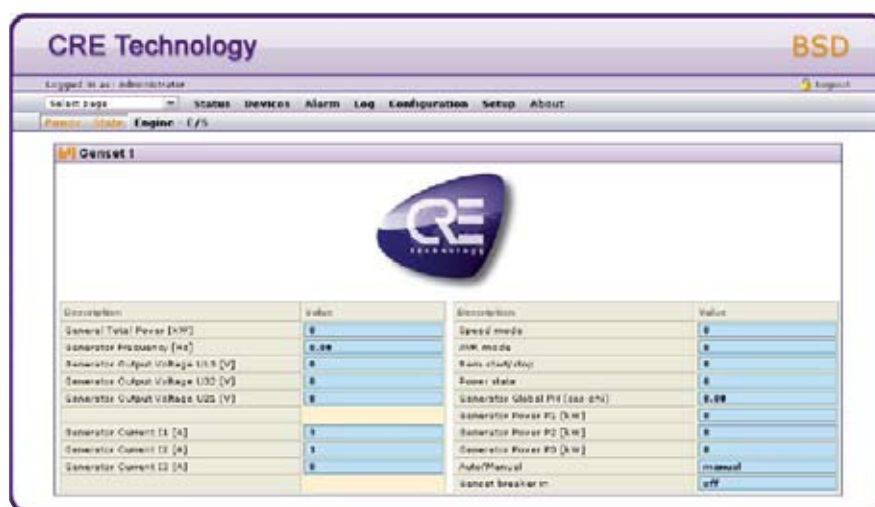
## CHARACTERISTICS

- Ethernet baud rate: 10/100Mbit/S
- GSM/GPRS: yes
- Serial port #1: RS-232
- Serial port #2: RS-232 / RS-485 / RS-422
- Serial port baud rate: Up to 115,2 kbit/sec
- Protocol: Modbus RTU, ASCII, TCP/IP
- Type of housing: norm, 4 modules, IP20
- DIN rail/Wall mounting: Yes / No
- Dimensions: 90mm x 70mm x 58mm
- Operating temperature: -40 to +85°C
- Power supply: 9-28V DC
- power consumption: 2W

## COMPARATIVE TABLE

Order code	BSD	BSD Plus
Ethernet baud rate	NO	YES
GSM/GPRS	RS-232	RS-232
Serial port #1	RS-232 / RS-485	RS-232 / RS-485 / RS-422
Serial port baud rate	Up to 115.2 kbits/sec	Up to 115.2 kbits/sec
Protocol	Modbus RTU, ASCII, TCP/IP	Modbus RTU, ASCII, TCP/IP
Type of housing	Norm, 4 modules, IP20	Norm, 4 modules, IP20
DIN Rail / Wall mounting	YES / NO	YES / NO
Mechanical dimensions	90mm x 70mm x 58mm	90mm x 70mm x 58mm
Operating temperature	-40 to +85°C	-40 to +85°C
Power supply	9-28V AC/DC	9-28V AC/DC
Power consumption	2W	2W

Free demo available on <http://bsd.cretechnology.com:8080>



### PART NUMBERS

BSD: A6120  
BSD PLUS: A6121S

### SOFTWARE

Embedded software/ BSD Config

### CABLES

BSD: A40W6 (CAN RS485)  
BSP PLUS: A6121-3

### ASSOCIATED PRODUCT

Complementary: GENSYS 2.0