

Opengear console servers are designed to interact with the BayTech™ Remote Power Control units and provide remote power management and reboot both In-Band and Out-of-Band from one simple interface. Opengear console servers have evolved into the “best of breed” power management solution with leading edge technology in infrastructure management.

Systems administrators now have one window to manage all their IT, power and environmental infrastructure no matter where it is located or how it is connected. Opengear console servers control the widest selection RPC and UPS devices and provide power metering at the managed device level with outlet control. No other vendor logs and alarms on temp readings from such a spectrum of sources in the data center. We do this all in band or out of band while retaining affordability.



### Integrated Hotkey function to power cycle from Telnet/SSH Session

#### Centralized Power Management

- 100% Compatible with BayTech® RPC's
- Serial, USB and Network/SNMP for UPS and PDU connectivity
- Simple Web Interface - Logging, Alerting, Monitoring, Real Time Graphing
- Drop in solution - Manage multiple vendor's equipment at existing installs

#### IT Infrastructure Management

- Manage servers, switches, routers, firewalls, SAN with serial console ports
- Access blade servers via IPMI or lights out cards over secure management LAN
- Provide network separation and IP address handling for management LAN
- Programmable Linux for easy scripting, perfect for Cloud and Grid computing

#### Environmental Monitoring

- Manage Environmental Sensors from a single appliance and web console
- Logging, alerts and graphing for disaster recovery and audit trail
- Manage temperature, humidity, door contacts, water, smoke, vibration
- 100% compatible with third party environmental sensors



Supported BayTech® RPC's

- RPC3ADE-30
- RPC3DE-30
- RPC3ADE-20
- RPC3ADE-10
- RPC3ADE-16
- RPC3DE-15
- RPC4DE-30
- RPC4ADE-30
- RPC5EN20-15
- RPC5EC13-15
- RPC5EN20-20
- RPC5EL620-20
- RPC5EC19-16
- RPC5EC19-20
- RPC5EC13-10
- RPC6EC13-10
- RPC6EN20-15
- RPC6EL620-20
- RPC6EC13-15
- RPC6EN20-20
- RPC6EL630-30
- RPC6EC19-20
- RPC6EC19-16
- RPC9E-15
- RPC9E-20
- RPC10E-15
- RPC10E-20
- RPC11AFE-30
- RPC11E-30
- RPC11FE-30
- RPC11AE-30
- RPC11AE-16
- RPC11AE-10
- RPC11FE-20
- RPC12AFE-30
- RPC12AFE-10
- RPC12E-30
- RPC12AE-20
- RPC12AE-30
- RPC12FE-30
- RPC12FE-20
- RPC12AE-16
- RPC14DE-15
- RPC14DE-10
- RPC14ADE-20
- RPC14DE-20
- RPC15E-20
- RPC15AFE-16
- RPC15E-30
- RPC15E-15
- RPC15AE-10
- RPC15AFE-30
- RPC15AE-20
- RPC16AE-10
- RPC16FE-15
- RPC16E-20
- RPC16E-15
- RPC16FE-20
- RPC16FE-30
- RPC16E-30
- RPC16AE-20
- RPC17DE-20
- RPC17DE-30
- RPC17ADE-30
- RPC17DE-15
- RPC17ADE-10
- RPC18ADE-10
- RPC18DE-20
- RPC18ADE-20
- RPC18ADE-30
- RPC18DE-15
- RPC18DE-30
- RPC22DL-20
- RPC22DL-15
- RPC22DL5-15
- RPC22DL5-20
- RPC26A-20
- RPC28DE-15
- RPC28DEN-15
- RPC28DEN-20
- RPC28DEN-30
- RPC28ADE-10
- RPC28ADEN-16
- RPC28ADE-30
- RPC28ADE-20
- RPC28ADEN-30
- RPC28DE-20
- RPC28ADE-16
- RPC28ADEN-20
- RPC29DE-20
- RPC35
- RPC36
- RPC41DE-15
- RPC41DE-30
- RPC41ADE-16
- RPC41ADE-20
- RPC41ADE-30
- RPC41DE-20
- RPC42ADE-16
- RPC42ADE-30
- RPC42ADE-20
- RPC42AE-30
- RPC42AE-20
- RPC42AE-16
- RPC42E-30
- RPC42E-20
- RPC42E-15
- RPC42DE-30
- RPC42DE-20
- RPC42DE-15
- RPC44DE-20
- RPC44DE-30
- RPC51DE-20N0
- RPC52DEN-20
- RPC52DE-20
- RPC53DE-30
- RPC56DE-20
- RPC56DE-30
- RPC58DE-30
- RPC59DEN-30
- RPC59DEN-20
- RPC59DE-20
- RPC59DE-30
- RPC61DE-30
- RPC61DEN-30
- RPC61DEN-50
- RPC63DE12-50
- RPC63DE18-50

Supported BayTech® RPS's

- Zero U**
- RPS21 RPS29 RPS59
  - RPS22 RPS51 RPS63
  - RPS23 RPS52 RPS66
  - RPS24 RPS45 RPS67
  - RPS25 RPS56 RPS68
  - RPS26 RPS57

Rack Mount

- RPS5
- RPS6
- RPS30
- RPS32

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How it works:

The power management in Opengear's console servers is built on Network UPS Tools, an extremely powerful and versatile collection of programs for monitoring and administering UPS hardware. The open source Network UPS Tools project is sponsored by Eaton (PowerWare/MGE) and it now also supports Power Distribution Units (PDU) management, either natively using SNMP or through a binding to Powerman. Opengear's Console Servers also embed the PowerMan programs from Livermore Labs, which control serial and network connected PDUs. Both these trusted open source solutions are extensively deployed in major enterprise data centers around the world.

Simple Browser or Terminal Interface

**opengear** System Name: img216-25 Model: IMG216-25 Firmware: 2.6.1u1 Uptime: 7 days, 0 hours, 31 mins, 16 secs Current User: root Status: UPS Status

**Serial & Network**

- Serial Port
- Users & Groups
- Authentication
- Network Hosts
- Trusted Networks
- Cascaded Ports
- UPS Connections
- RPC Connections
- Environmental

**Alerts & Logging**

- Port Log
- Alerts
- SMTP & SMS
- SNMP

**System**

- Administration
- Firmware
- IP
- Date & Time
- Dial
- Services
- DHCP Server
- Nagios

**Status**

- Port Access
- Active Users
- Statistics
- Support Report
- Sylog
- UPS Status
- RPC Status
- Environmental Status

**Manage**

- Devices
- Port Logs
- Host Logs
- Power

**UPS Status**

APC Smart UPS - SMART-UPS 1400 RM XL on APCSmart[localhost]

Mon Mar 02 11:02:09 MST 2009	Battery	Input	Output	Load
UPS Model: SMART-UPS 1400 RM XL	Charge: 100.0 %	Voltage: 119.6 V	119.0 VAC	125
Status: ONLINE	Voltage: 27.3 VDC	60.0 Hz	119.0 VAC	100
Runtime: 00:07:00			119.0 VAC	75
UPS temp: 015.7 °C			119.0 VAC	50
Battery: 27.33 V			119.0 VAC	25
Input: 119.6 V			119.0 VAC	0
Output: 119.6 V				

Real Time Graphing, Logs and Alerting

**opengear** System Name: img4216-25 Model: IMG4216-25 Firmware: 2.6.1u1 Uptime: 7 days, 0 hours, 37 mins, 2 secs Current User: root Status: Environmental Status

**Serial & Network**

- Serial Port
- Users & Groups
- Authentication
- Network Hosts
- Trusted Networks
- Cascaded Ports
- UPS Connections
- RPC Connections
- Environmental

**Alerts & Logging**

- Port Log
- Alerts
- SMTP & SMS
- SNMP

**System**

- Administration
- Firmware
- IP
- Date & Time
- Dial
- Services
- DHCP Server
- Nagios

**Status**

- Port Access
- Active Users
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**Manage**

- Devices
- Port Logs
- Host Logs
- Power

**Environmental Status**

Demo-Server-Rack (monitor at rack exhaust) - Temperature Graph

Temperature Humidity

Time	Temperature	Humidity	Alarm #1	Alarm #2	Alert Status
Mon Mar 2 09:26:05 2009	26	11	Open (0)	Closed (1)	Normal
Mon Mar 2 09:27:05 2009	26	11	Open (0)	Closed (1)	Normal
Mon Mar 2 09:28:05 2009	26	11	Open (0)	Closed (1)	Normal
Mon Mar 2 09:29:06 2009	27	11	Open (0)	Closed (1)	Normal
Mon Mar 2 09:30:05 2009	27	10	Open (0)	Closed (1)	Normal
Mon Mar 2 09:31:05 2009	27	10	Open (0)	Closed (1)	Normal
Mon Mar 2 09:32:05 2009	27	10	Open (0)	Closed (1)	Normal
Mon Mar 2 09:33:05 2009	27	10	Open (0)	Closed (1)	Normal
Mon Mar 2 09:34:05 2009	27	9	Open (0)	Closed (1)	Normal
Mon Mar 2 09:35:05 2009	27	9	Open (0)	Closed (1)	Normal
Mon Mar 2 09:36:05 2009	27	9	Open (0)	Closed (1)	Normal
Mon Mar 2 09:37:06 2009	27	9	Open (0)	Closed (1)	Normal
Mon Mar 2 09:38:05 2009	27	9	Open (0)	Closed (1)	Normal

opengear Power Management is included with:

**CM4100**  
Console Server

**IM4200**  
Infrastructure Manager

**IMG4000**  
Management Gateway

**KCS6000**  
KVM Console Server