

SAGEON

SAGEON® WEBCSU-3

Embedded Network Server

HTTP, SNMPv3 & Modbus Monitor

Introduction

WebCSU-3 is an embedded network server module which can be attached to Sageon Controller, allowing the Power System to be accessed from anywhere in the world.

WebCSU-3 runs over any IP network, including the Internet, and allows monitoring of the site via the proprietary WinCSU-2 protocol, SNMP, HTTP and Modbus (Serial and TCP).

The SNMP interface allows alarm notification via traps, and read only (no write) access to all of the system controller status and parameters from a remote Network Management System (NMS). The WebCSU-3 unit allows you to setup which alarms you want reported as SNMP traps.

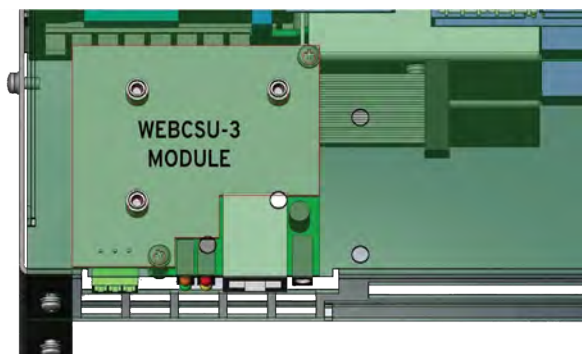
The Modbus interface allows read only (no write) access to all of the system controller status and parameters from a remote Supervisory Control and Data Acquisition (SCADA) system. The Modbus interface is provided via either a multi-drop serial RS485 connection or across a TCP network connection.

Using the WinCSU-2 monitoring and control program, you can configure and monitor the system controller, on up to 2 separate computers, at any given time. Alternatively, you can monitor the system controller's status, via a web browser with no additional software required.

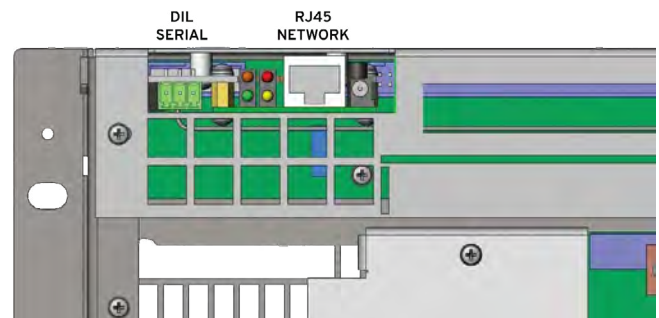


System Layout with WEBCSU-3 Installed

Top View



Rear View



Specifications

Communication

Front Panel	6 LEDs (Link State, Connection Speed, Power State, Connection State with controller, Unit State, Correspondence State)
LAN Interface	Ethernet 10/100BASE-T (Auto-sense)
Modbus Serial Interface	Half duplex, multi-drop serial RS485. Baud rate 4800, 9600, 19200, 38400, 57600.
Connectors	LAN - RJ45 Serial - 4 Way DIL Connector
Ethernet Throughput	1620K Byte per seconds
Ethernet Latency	0.759 milliseconds
Protocols	Proprietary WinCSU-2 protocol, HTTP, HTTPS, NTP, SNMPv1/2 (MIB Browse & Traps), SNMPv3 (MIB Browse & Traps), Telnet, Modbus TCP/IP, Modbus Serial, Dynamic DNS, PPoE, IP Address (Manual or Dynamic DHCP), SSH, SSL, RADIUS (Web/Telnet Login)
MIB	Proprietary
Ports (User definable)	Defaults: WinCSU-2: 10001, 10002, 10003, 10099, 10100 SNMP: 161, 162 Telnet: 23 Modbus: 502 RADIUS: 1812 HTTP: 80 HTTPS: 443 SSH: 22

Security

SNMPv3	Enable and disable SNMP functionality. Authentication: MD5 or SHA. Privacy: DES or AES
HTTPS	Device User Accounts, SSL, RADIUS Authentication
Telnet	Device User Accounts, SSL, RADIUS Authentication

Setup

Network Settings	Windows Application Netility. Device Network Discovery, IP Address, Network Settings and Firmware Upgrade.
Configuration and Status	Web interface. Status: Units Status and Basic Power System Status. Configuration: Network Settings, SNMP Settings, Modbus Settings, Web/Telnet Setting and System Time Settings.
Power System Setting	Windows Application WebCSU-3 Configuration Tool: Asset Details, Connection Details, Operational Settings, Alert Selections (for SNMP Traps)

General

Dimensions, inches (mm)	2.4 (61) L x 2.22 (56.5) W x 0.77 (19.6) H
Weight	1.96 ± 0.07 Oz. 55.5g ± 2g
Operating Temperature	0°C to +60°C
Storage Temperature	-40°C to +125°C
Operating Humidity	10-90% RH, Non-condensing
Storage Humidity	5-95% RH, Non-condensing
Power	Supplied from controller at low voltage, +5V to +7V, 300mA Maximum
EMI	FCC Class B, C

ABOUT GREEN CUBES TECHNOLOGY

Green Cubes Technology harnesses over 30 years of industry experience to ensure we design, develop and deliver solutions for the most challenging energy needs. We offer battery technology innovation, application design and performance management to drive productivity, scalability and sustainability.

Green Cubes provides complete power systems to the stationary power industry. With the addition of the Guardian and Aspiro Product lines offered under the UNIPOWER brand, these industry proven DC plant systems serve critical applications all around the world. Green Cubes offers complete power solutions including energy storage, power conversion, and seamless integration.

For more information, email contact@greencubes.com or visit greencubes.com

