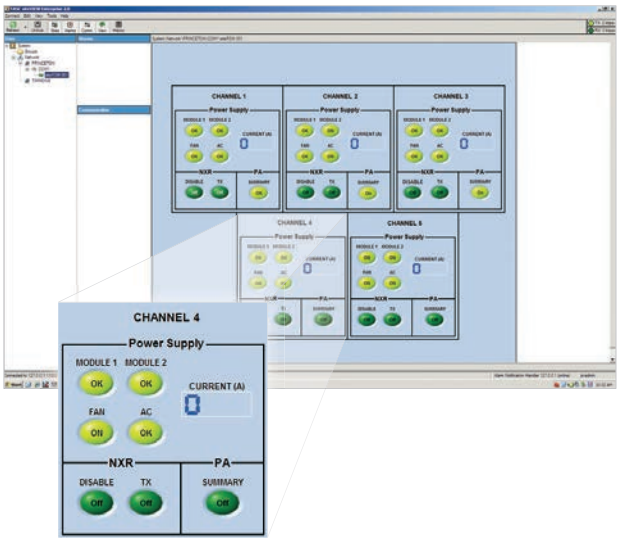
TASC SYSTEMS INC.

siteRSM Kenwood NEXEDGE®

Remote Site Monitoring and Control for Kenwood NEXEDGE® Systems

TASC Systems siteRSM seamlessly integrates with Kenwood's NEXEDGE® radio (NXR) systems to provide remote monitoring and control capabilities. Using the siteVIEW Enterprise 2.0 software and a TCP/IP connection to the siteRSM, a virtual site is accessible remotely from anywhere. The siteRSM/siteVIEW Enterprise 2.0 system monitors, controls, and sends alarming information (via email/SMS) to the applicable personnel when the system is not functioning correctly. siteVIEW Mobile provides management device and alarm information from mobile smart phone, tablet or any other web enabled devices.



The parameters monitored and controlled are:

- Channel Current Consumption (PA and NXR)
- Push-to-Talk (PTT)
- N+1 Power Supply Modules
- Power Supply Fan
- AC Input
- PA Summary Alarm (Low Output Power, High VSWR, High Temperature)
- NXR Disable Input Activated when NXR/PA Fails

The TASC system is continously monitoring the health of each individual channel in a trunked system. When a problem occurs with a specific channel, the channel is disabled allowing the system to continue to operate with no disruption in service to the customer.

Other parameters that can be monitored and controlled:

- Temperature
- RF Forward and Reverse Power (VSWR)
- All Voltages or Currents (solar charge current, battery voltage)
- I/O's Interface easily to other equipment at the site (doors, generators)
- Remotely reset equipment

System Specifications - Five Channel Trunked Configuration	
Power	+11 to +20 VDC
Current Consumption	Maximum 315 mA @ +13.5 VDC; <250 mA current draw in low power mode, (1 second wake-up interval).
Weight	Less than 600 g
Operating Temperature	-40 to +65°C
Digital Inputs	32 contact closures, switches, open collector or voltage inputs (0 to 60 VDC input) with individual hold timers
Digital Outputs	8 'open drain' FET outputs, switching up to 50 VDC @ 150 mA each. Programmable latching and unlatching output.
Analog Inputs	16 x 10-bit A/D, 0 to 5 VDC, 0 to 25 VDC, 0 to 100 VDC (external adapter) with individual hold timers and high/low trigger set points per input.
Temperature Monitoring	Up to 8 temperature sensors (option, see specification below) on a parallel bus
Serial Ports	Two RS-232 asynchronous ports
Ethernet Interface	
Data Rate	300 bps to 921,600 bps
Interface	Ethernet 10Base-T or 100Base-TX (Auto-Sensing)
Protocols	TCP/IP
Security	Password protection, 256 bit AES Rijndael encryption
siteRSM Configuration Utility (SCCU)	The SCCU is included with the siteRSM. The utility allows the user to configure the modules' operating parameters from a personal computer running Windows XP/Vista/7/Server 2003/2008.
siteVIEW Enterprise 2.0 Site Monitoring and Control Software	TASC siteVIEW Enterprise 2.0 is a fully configurable Windows XP/Vista/7/Server 2003/2008 based site monitoring and control software package for use with siteRSM hardware. This software package allows the user to graphically view detailed information about each site. siteVIEW Enterprise 2.0 features simple drag-and-drop configuration, extensive event logging, audible alarm notification, and automatic polling.
Optional Temperature Sensors	The siteRSM can support up to a maximum of 8 temperature sensors per module. Requirements beyond this capacity can be supported by special order. Span: -55 to +125°C Accuracy: -25 to +100°C +/- 2 C° -55 to +125°C +/- 3 C° Connector: RJ-45 Modular jack Bus derived power: 2 mA per sensor
Input / Output Expansion	Maximum 40 digital inputs, 24 analog inputs, 8 outputs
Sensor Options	Forward and reflected power sensor (BPS), differential sensor for measuring current. AC power sensor
Enclosure	The siteRSM is packaged in a 19" - 2 rack unit enclosure.

TASC SYSTEMS INC.

9415 202 Street
Langley BC
Canada
V1M 4B5

T: 604-455-2000
Toll Free: 1-855-337-8235
sales@tascsystems.com
www.tascsystems.com