TASC SYSTEMS INC.

siteRSM Icom IDAS™

Remote Site Monitoring and Control for Icom IDAS™ Repeater and Trunked Systems

TASC Systems siteRSM integrates with Icom's IDAS™ repeater and trunk systems to provide remote monitoring and control capabilities. Using TASC's siteVIEW Enterprise 2.0 software and TCP/IP connectivity to the siteRSM, a site is accessible regardless of its location. The siteRSM/ siteVIEW Enterprise 2.0 combination monitor, control and send alarming information (via email/SMS) to the applicable personnel when required. siteVIEW Mobile provides managment device and alarm information from mobile smart phone, tablet or any other web enabled devices.

The parameters monitored and controlled will vary depending on the design of the system. Here is a list of some common parameters:

- COS and RSSI
- Fan state
- TX PLL
- RX PLL
- TX
- Combined Channel Current Consumption (PA + IDAS™ repeater)

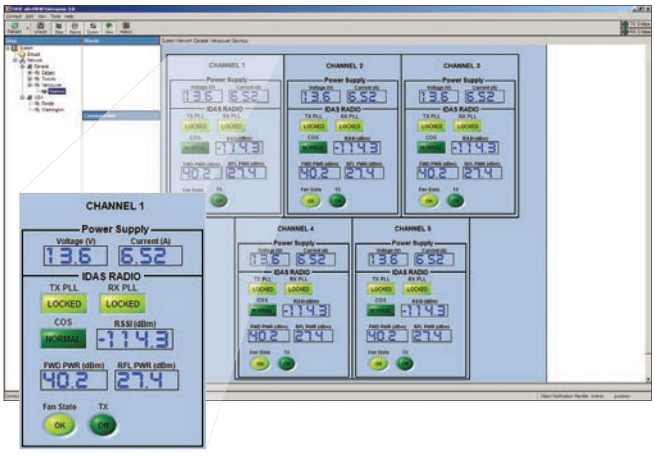
The benefits of the TASC system is the continous monitoring of each individual channel in a repeater or trunked system. If a problem occurs with a specific channel, the TASC system will disable the channel and send alarms via email, SMS or siteVIEW Mobile. This eliminates any disruption in service the customer would experience.

TASC Systems monitoring and control capabilities are typically expanded to include the following:

- Ambient temperature
- Forward and Reverse Power (VSWR)
- Charge current and battery voltages
- Generator status
- Doors and contacts
- Remotely Reset Equipment
- PA Alarms (Low output power, High VSWR, High Temperature)
- Power Supply Fan
- AC Input

Benefits to be realized:

- Reduced Downtime
- "At Source" Decision Making
- Security and Control
- Operational Efficiency



Motherboard	
Power	+11 to +20 VDC
Current Consumption	Maximum 80 mA @ +13.5 VDC; <15 mA current draw in low power mode, (1 second wake-up interval).
Weight	Less than 500 g
Operating Temperature	-40 to +65°C
Digital Inputs	8 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	8 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
Optional Ethernet Interface	
Data Rate	300 bps to 921,600 bps
Interface	Ethernet 10Base-T or 100Base-TX (Auto-Sensing)
Protocols	TCP/IP
Current consumption	Maximum 220 mA @ 13.6 VDC
Operating Temperature	-40 to 85°C
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 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 converted to 8 relay contacts
Sensor Options	Forward and reflected power sensor (BPS), differential sensor for measuring current.
Enclosure Options	The siteRSM is available in a variety of packaging combinations which include a 19" rackmount (1RU and 2RU), NEMA 4 and clamshell.

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