

sitePORTAL Lite



Network Management, Monitoring & System Control

The sitePORTAL Lite is designed to address the network management issues that wireless telecommunication system operators face as the level and sophistication of “multi-vendor” communication equipment progresses. As wireless systems are placed under heavy loads and service level agreements become more stringent and demanding; it is imperative to reduce downtime and have the capability to implement preventive measures.

Repeater and base station (BTS) sites are filled with many brands of equipment each requiring its own connection, software and protocol. Under growing demands to consolidate and reduce costs, the task of efficiently monitoring all equipment from a centralized monitoring location has been placed on network management teams. The sitePORTAL Lite provides a universal method for retrieving status information across all active components.

The sitePORTAL Lite system can monitor most items including:

- doors
- solar panels
- batteries
- charging circuits
- generators
- fuel tanks
- repeaters and base stations (BTS)

The sitePORTAL Lite includes a powerful feature known as Pass-Through. It enables the user to directly connect to the device via the serial port and gain access to the devices craft software. This enables the user to do troubleshooting, equipment configuration and optimization from a remote location.

The TASC solution is a Truly Universal platform that allows the network operation center (NOC) uniform visibility to network components while allowing technicians unimpeded access to those devices through their unique craft software interfaces even when they are remote to these devices.

The sitePORTAL Lite also provides an industry standard interface which offers easy integration into existing equipment control and monitoring roles. siteWRX provides the interface between sitePORTAL Lite network devices and the SNMP managed NOC.

Inputs and Outputs

The sitePORTAL Lite has the following inputs and outputs.

- 8 digital inputs capable of accepting a wide input voltage range (up to 60V) from contact closures, passive switches or solid state switching devices
- 8 analog inputs. Each input can be programmed with upper and lower set points
- 8 direct-reading temperature inputs when equipped with optional sensors
- 8 open drain output channels each capable of switching up to 50V at 150mA
- Real Time Clock
- RS232 local and pass-through port
- RS232 modem control port with support for landline and cellular modems

The sitePORTAL Lite is available in a number of enclosures such as 19" rack mount and NEMA 4X wall mount.

The sitePORTAL Lite with siteWRX is designed to meet the rugged requirements of the wireless telecommunications industry. The sitePORTAL Lite is all you need to monitor your remote site and provide you with the information needed to take appropriate action.

Motherboard													
Power	+11.0 to +20.0 VDC												
Current Consumption	Maximum 80 mA @ +13.5 VDC												
Module Size	175 mm x 75 mm x 16 mm high												
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, voltage switching up to 50 VDC @ 150 mA current sink each.												
Analog Inputs	8 x 10-bit A/D, 0 to 5 V, 0 to 25 V, 0 to 100V (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)												
Serial Ports	Two RS-232 asynchronous ports with full modem control												
Modem Options	Please contact TASC for the current list of compatible modems available from select modem manufactures. Ethernet, PSTN, IS95, GSM, CDMA.												
Temperature Sensors	<p>The sitePORTAL Lite can support up to a maximum of 8 temperature sensors per module. Requirements beyond this capacity can be supported by special order.</p> <table border="0"> <tr> <td>Span:</td> <td>-55 to +125°C</td> <td>Connector:</td> <td>RJ-45 Modular jack</td> </tr> <tr> <td>Accuracy:</td> <td>-25 to +100°C +/- 2 C° max</td> <td>Bus derived power:</td> <td>2 mA per sensor</td> </tr> <tr> <td></td> <td>-55 to +125°C +/- 3 C°</td> <td></td> <td></td> </tr> </table>	Span:	-55 to +125°C	Connector:	RJ-45 Modular jack	Accuracy:	-25 to +100°C +/- 2 C° max	Bus derived power:	2 mA per sensor		-55 to +125°C +/- 3 C°		
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sitePORTAL Configuration Utility (SPCU)	The SPCU is included with the sitePORTAL Lite. It is the GUI software for configuring the sitePORTAL Lite. The utility allows the user to configure the modules' operating parameters from a computer running Windows™ 98, 2000 or XP.												
siteWRX Site Monitoring and Control Software	siteWRX is the sitePORTAL Lite system controller. siteWRX is responsible for maintaining communication with each sitePORTAL Lite in the network. Alarms and data are presented as SNMP traps to the customers' back-end monitoring system. siteWRX maintains a high level of interface ability between the customers' system and sitePORTAL Lite units in the field.												

TASC Systems Inc. is continuously working to improve system performance and expand product capabilities. Specifications are subject to change without notice. October 2008

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