



sitePORTAL

Network Management, Monitoring & System Control



The sitePORTAL 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 provides a universal method for retrieving status information across all active components.

The sitePORTAL system can monitor most items including:

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

The sitePORTAL supports a Serial Pass-Through feature. It enables the user to directly connect to the device via the serial port and gain access to the device's craft software. This enables the user to do troubleshooting, equipment configuration and optimization from a remote location.

The TASC Systems solution is a truly universal platform that allows the Network Operation Center (NOC) uniform visibility to network components such as BDA's Multiplexers, Channel Banks, etc. establishing direct access to those devices through their specific craft software interfaces even when they are remote to these devices.

The sitePORTAL also provides an industry standard interface which offers easy integration into existing equipment control and monitoring platforms. In addition to the siteVIEW Enterprise 2.1 GUI, it can also forward SNMP Traps derived from sitePORTAL network devices to the NOC.

Inputs and Outputs

The sitePORTAL has the following inputs and outputs.

- 8 digital inputs (expandable to 40 in 19" rack configuration) capable of accepting a wide input voltage range (up to 60VDC) from contact closures, passive switches or solid state switching devices.
- 8 analog inputs (expandable to 24 in 19" rack configuration). 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 50VDC at 150mA.
- Real Time Clock.
- RS232 local and pass-through port.
- AT&T/Sprint/Verizon certified 3G wireless modems built to provide simple and reliable communication over the HSDPA/HSUPA or EDGE cellular data network.

The sitePORTAL with siteVIEW Enterprise 2.1 is designed to meet the rugged requirements of the wireless telecommunications industry. The sitePORTAL system allows you to monitor a remote site and provides the information needed to take appropriate action.

Motherboard	
Power	+11.0 to +20.0 VDC (Options: 48 VDC / 110 VAC / Battery Backup)
Current Consumption	Maximum 80 mA @ +13.5 VDC
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 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).
Serial Ports	Two RS-232 asynchronous ports with full modem control.
Modem Options	Please contact TASC Systems for the current list of compatible modems available from select modem manufactures. HSDPA/HSUPA or EDGE.
Temperature Sensors	The sitePORTAL can support up to a maximum of 8 temperature sensors per module. 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°
sitePORTAL Configuration Utility (SCCU)	The SPCU is included with the sitePORTAL. It is the GUI software for configuring the sitePORTAL. The utility allows the user to configure the modules' operating parameters from a computer running Windows XP/7/ Server 2003/2008.
siteVIEW Enterprise 2.1 Site Monitoring and Control Software	siteVIEW Enterprise 2.1 is the sitePORTAL system controller. siteVIEW Enterprise 2.1 is responsible for maintaining communication with each sitePORTAL in the network. Alarms and data can be presented as SNMP traps to the customers' network management. siteVIEW Enterprise 2.1 maintains a high level of interface ability between the customers' system and sitePORTAL units in the field.
Enclosure Options	The sitePORTAL is available in a variety of packaging combinations which include a 19" rackmount, NEMA 4 and clamshell.

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