

Specification Sheet: Remote monitoring probes

Hardware: UMPC x – x dimensions, rugged plastic case.

Serial ports	3 x serial console ports for IO data collection
Ethernet	10/100Mbps IO LAN
Power Relay	RJ45 power relay switch port
Mobile	mini BNC antenna connector WAN
GPS-A	mini BNC antenna connector
Power	DC power jack with power sensor
USB	3 x USB (optional)
Storage	SD/Micro SD Flash up to 32GB
Mobile Modem	Sierra Wireless/Wavecom WCDMA 2G/3G 850/900/1900/2100 MHz
Battery backup	x type up to 2 hours
OS	NetSense CLI based operating system

Functions:

Network Connectivity	Ethernet or mobile wireless client/server model – to proprietary server application.
Monitoring functions	IP poll, SNMP, serial; power, temp, humidity, other devices
Alarms and notification	via mobile communication to server database, Syslog, SMS, SNMP
Other functions	Remote power resets, local device terminal access
Telemetry	Data collection store and forward with environmental monitoring options
Server Applications	Client-Server data store and retrieval application
Network Backup	Last resort mobile backup service (*)
Management and access	Via NetSense server application, Telnet, Web front end administration

(*) – Road mapped for late 2010

Key applications:

- Power monitoring and resets
- Remote site network monitoring and alerts
- Remote site network access, backup and management
- Remote site environmental telemetry and alerts
- Store and forward data collection – mobile sites
- Environmental monitoring and alerting
- Global positioning
- Remote application services