



Sensicast Network Software

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Sensicast Systems™ is the leading provider of intelligent wireless sensor network software. With Sensicast's intelligent, bi-directional routing software, sophisticated network power management, and an easy-to-use data gathering and historical reporting interface, the Sensicast Network Software is the easiest way to begin exploring the capabilities of your wireless sensor network. Thoughtful integration with the MICA2 Motes from Crossbow Technology, provides an ideal evaluation, demonstration and development platform. Furthermore, through clear documentation, the Sensicast Network Software Upgrades provide for the simple integration of existing or next-generation sensors and actuators, a software application programming interface (API) and an open platform, affording the opportunity to create custom applications that suit your precise needs. Sensicast's software and development services help provide end-to-end solutions for real customer applications as well as the fundamental tools you will need to explore this new technology segment.

Sensicast Architecture

The Sensicast Network Software provides the capability to deploy wireless sensor networks of varying architectures quickly and efficiently. Realizing that different applications require varying network requirements, Sensicast has developed software enabling ad-hoc wireless sensor networks to be configured in a manner that best suits the needs of the application. For example, the selected Sensicast Network may be optimized either for power or reduced network latency. If it makes sense for the application, the network can be dynamic and self-healing, minimizing the need for active network management. For all architectures, the Sensicast Network Software permits bi-directional communication, and will reliably transmit sensor data to host computers and also permit the incorporation of actuators that respond to the real-time sensor data.

Benefits

Sensicast's Software provides numerous benefits:

<u>Feature</u>	<u>Benefits</u>
Fully tested device software	Enables quick setup times and permits focus on applications using networks, rather than troubleshooting the networks themselves
Bi-directional communications	Increases configuration options, allows control of actuation functions, enables message acknowledgements
Fully documented sensor /actuator integration	Quickly incorporate custom sensors for prototyping
Supports various network architectures	Allows the network to be optimized based on customer and application desires
Power managed architecture	Maximizes battery life for longer term deployment
Dynamic and self-healing	Permits applications with mobile sensors and nodes

Upgrade Offerings

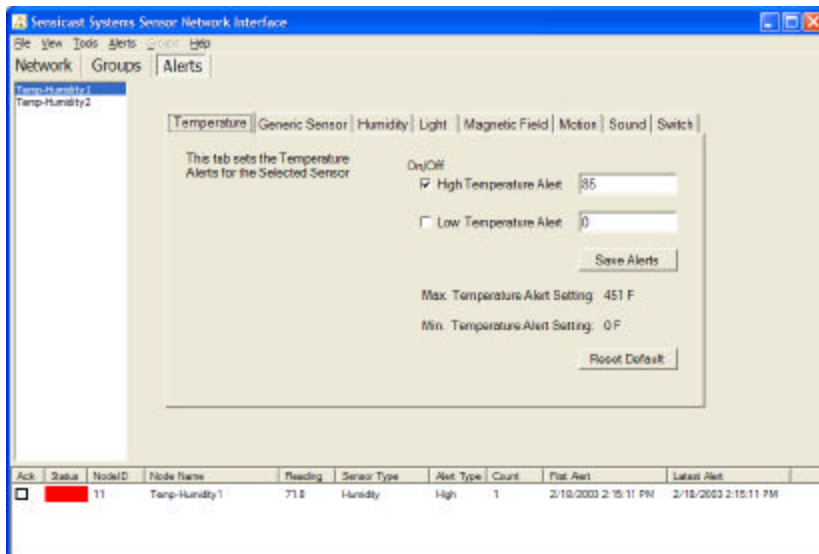
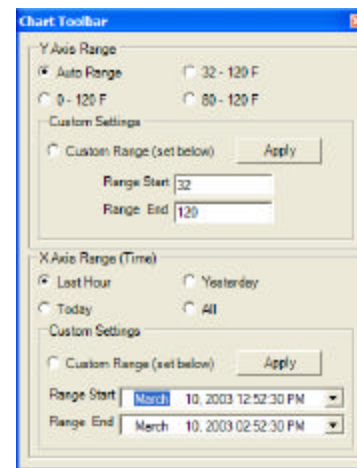
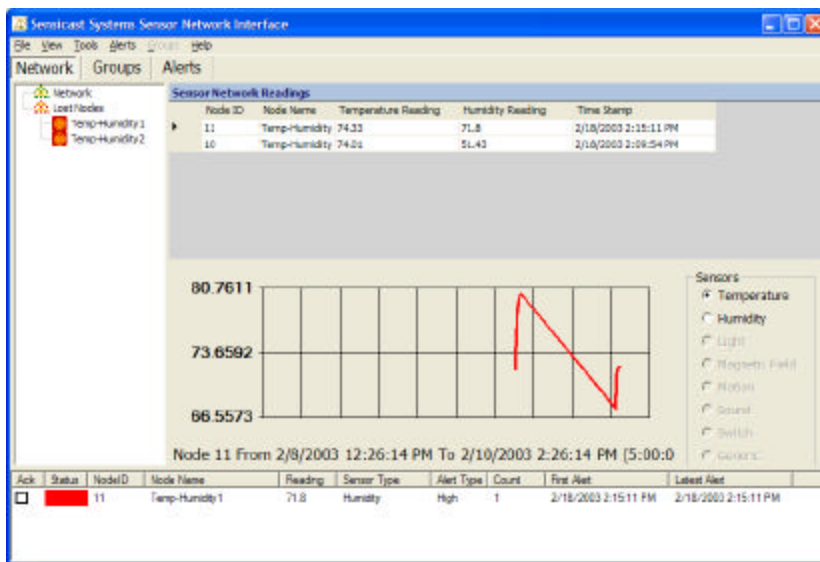
Sensicast believes that while exploring applications of wireless sensor networks you should be focused on your application research and development, rather than the trials and tribulations of navigating a continually evolving development environment.

- **Sensicast Evaluation Upgrade:** Using the Sensicast Software, you can have your basic wireless sensor network up and running within 10 minutes. View the network layout and change

- **Sensicast Development Upgrade:** Begin using advanced network architectures (e.g., powered repeaters and extended-hub-and-spoke scenarios) with the Development Upgrade. Using Sensicast's documented protocol, efficiently integrate analog sensors and basic actuators into the network. With Sensicast's software application, you can group nodes by type and set alarms to trigger alerts when certain sensor reading thresholds have been exceeded. Or use the Windows-based API to develop your own custom applications.
- **Sensicast MicaWeb Upgrade:** Get the full benefits of a distributed wireless sensor network by incorporating Crossbow's MicaWeb loaded with the Sensicast Software. An enterprise-class system, the Sensicast MicaWeb Upgrade permits full Ethernet connectivity between one or many wireless sensor networks. Utilize the XML-based API to create custom software applications or write your own queries over an enterprise ODBC database.

Sensicast Host Software and User Interface

Sensicast's host software is the console through which you can control and view the network architecture and real-time and historical sensor and actuator information.



For more information, please contact Sensicast at 781.453.2555 or sales@sensicast.com

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传真：0755-83376182 (0) 13902971329 MSN: SUNS8888@hotmail.com

邮编：518033 E-mail:szss20@163.com QQ: 195847376

深圳赛格展销部：深圳华强北路赛格电子市场 2583 号 电话：0755-83665529 25059422

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TEL: 021-28311762 56703037 13701955389 FAX: 021-56703037

西安分公司：西安高新开发区 20 所(中国电子科技集团导航技术研究所)

西安劳动南路 88 号电子商城二楼 D23 号

TEL: 029-81022619 13072977981 FAX:029-88789382