

# IT Servers and Server Rooms

As the market leader, the IT Temperature Monitor is an innovative Ethernet appliance that monitors temperatures in many environments. The IT Temperature Monitor can track temperatures of up to 16 locations within your server, server room, network or telco cabinet. Sensatronics offers numerous applications that will alert persons, phones, PDA's, pagers, network management applications or alarm companies when something occurs out of the norm. High clock rate electronics are often best measured by taking their temperatures. Sensatronics provides solutions for Linux, Windows, Unix, Apple, the Web and more.

## Monitoring temperatures in the IT environment typically involves the following:

- Computer/Server Rooms and Server Cabinets
- Telephone Switched Equipment
- Networked Storage Devices (Storage Arrays)
- Networking Equipment (Routers, Switches, etc)
- Mechanical Devices (Air Conditioning and Air Handling Equipment)

IT engineers know that for each 10-degree centigrade increase in temperature the failure rate of technology equipment doubles. Corporations that cannot endure a temperature caused incident depend upon Sensatronics to monitor their equipment, servers, network storage, network and telephone switching equipment.

## Purchase Justification:

1. Reliability or up time
  - Use the predictable temperature analysis to really achieve five nines.
2. Predictability
  - Track trends and make informed decisions before incidents occur.
3. Cost avoidance
  - Alert interested parties before an incident occurs.
4. Preventative measures
  - Use data to conduct preventative measures, schedule HVAC maintenance, clean filters.
  - Monitor employee habits relative to doors, learn how time of day and day of week impact energy costs.

## Typical installation:

Multiple IT Temperature Monitor E4's, Approx \$1000, 8 or more probes  
 Multiple IT Temperature Monitor E8's, Approx \$1500, 16 or more probes  
 Multiple IT Temperature Monitor E16's, Approx \$2000, 32 or more probes

**Installation Time:** Typical installation time is less than two hours, including the placement of probes.

## Software selections:

Windows	Web	Linux
IP Sentry ( <a href="http://www.ipsentry.com">http://www.ipsentry.com</a> )	EMS ( <a href="http://www.sensatronics.com/ems">http://www.sensatronics.com/ems</a> )	Nagios ( <a href="http://www.nagios.org">http://www.nagios.org</a> )
Tempelert ( <a href="http://www.tempelert.com">http://www.tempelert.com</a> )	Dotcom-Monitor ( <a href="http://www.dotcom-monitor.com">http://www.dotcom-monitor.com</a> )	Big Brother ( <a href="http://www.bb4.com">http://www.bb4.com</a> )
Big Brother ( <a href="http://www.bb4.com">http://www.bb4.com</a> )		
Intellipool Network Monitor ( <a href="http://www.intellipool.com">http://www.intellipool.com</a> )		

## Typical Customers:

Thousands of SMB customers through Fortune 1000 users have Sensatronics IT Temperature Monitor units installed in their servers and server rooms. The more sophisticated customers monitor their Servers, Network Storage and Network Equipment, and their server rooms. They also monitor the temperature of their capital equipment, such as in-room air conditioners from companies such as Koolwave or Sterling. Many customers use IT Temperature Monitors to track operational characteristics of their systems and even use the IT Temperature Monitor to monitor their contract service providers.