



## Room Alert 32E ( RA32E-TH1-RAS )

Room Alert 32E is AVTECH's most advanced hardware solution for "IT & Facilities Environment Monitoring, Alerting & Automatic Corrective Action". It is designed specifically to assist with monitoring computer room temperature, humidity, power, room entry and much more in multiple locations up to 900' away. The Room Alert 32E package allows users to log environment sensor status for immediate alert notification, historical review and graphing. Alert notifications via email, email-to-SMS, SNMP, web page update and more communicate to devices like computers, mobile phones, iPhones, BlackBerrys, pagers and PDAs. Room Alert 32E comes standard in a 1U 19" configuration and offers an easy to use web browser interface for settings changes and viewing real-time sensor status from anywhere.

- Easy Ethernet 'Plug and Play' setup for immediate IT & facilities environment monitoring.
- Includes built-in digital temperature, digital humidity and power sensors.
- Includes 1 external digital temperature and 1 external room entry sensor.
- Includes a built-in Uninterruptible Power Supply (MUPS).
- Includes 8 digital sensor ports and 16 channels for switch sensors or dry contacts.
- Includes additional ports to add relays, light towers, low voltage sensors and more.
- Advanced alerting by email, email-to-SMS, SNMP, web page update and much more.
- Use the built-in web server, bundled Device Manager software, or any SNMP application to monitor units network-wide.
- The complete Room Alert 32E package allows real-time sensor status, data logging, graphing, advanced alerting, Fahrenheit or Celsius, sensor values in alerts, high and low watermarks and much more.
- Use the included 'Windows Plugin Bundle' with Device Manager to Shutdown, Log Off and/or Reboot Windows systems remotely across the network (Unix/Linux version available if preferred)
- Use Room Alert 32E with or without a host system. That's right... No PC Required! This saves money, improves reliability, provides options.

The Room Alert 32E package includes a license for AVTECH's powerful Device Manager software, an advanced solution for the discovery, management, logging, graphing, alerting and more of AVTECH's IT & Facilities Environment Monitoring hardware. It runs as a Windows Service and automatically discovers AVTECH's hardware units or Axis IP cameras across the network, allowing users to immediately be informed when environmental thresholds are passed or physical events occur. Device Manager's web browser interface allows users to view and manage any or all units on their network, graph and log sensor data in real-time or over a specified date range, send out alerts if an issue or event arises, and much more.

The Room Alert 32E package also includes the 'Windows Plugin Bundle' (Unix/Linux version available if preferred). When used with Device Manager, these plugins provide functionality that can shutdown, reboot and/or log off Windows systems remotely across the network and perform commands or scripted actions when alerts are detected or events occur. These plugins can be used to shutdown, reboot and/or log off an unlimited number of Windows systems... individually, in groups, simultaneously, sequentially or according to a defined schedule.

Room Alert 32E monitors environments such as phone or wiring closets, critical rack cabinets, large computer rooms or data centers, multi building facilities and facilities of all types and sizes. Room Alert 32E is connected via Ethernet and does not require a host PC for operation. Room Alert 32E will help protect valuable equipment and other important assets to minimize downtime and reduce losses if a disaster does occur. It is the environment monitor of choice for today's most demanding IT & facilities managers



ID Box Model / Rack Model	RA32E
ID Box Dimensions	1.75" H x 3.75" D x 19" W
ID Box Weight	6 lb 3 oz
ID Box Color	Red
Rack Mounted Model	Included (Standard)
Rack Mounted Size (1U 19")	1.75" H x 3.75" D x 19" W
Rack Mounted Weight	6 lb 3 oz
Rack Mounted Color	Red
Rack Mounting Kit Available Separately	Included (Standard)
Wall Mounting Kit Available Separately	Included (Rotate Wings)
Ceiling Mounting Kit Available Separately	Included (Rotate Wings)
Operating Temperature	-40 to 185 F (-40 to 85 C)
Operating Relative Humidity (Non-Condensing)	5% - 85% RH
Power Source (Included)	5 VDC 2A Adapter
Power Over Ethernet (PoE)	Yes (802.3f)
Power Compatibility	110/240 VAC, 50/60 Hz, RoHS
Power On/Off Switch	Yes
Built-In Uninterruptible Power Supply (UPS)	Yes
Mini UPS (MUPS) Compatible, Upgrade Cost	Built-In
MUPS Status Indicator (Red Battery / Green AC)	Yes
PoE, WLAN, GSM Activity Indicators (LED)	Yes, Yes, Yes
International Power Adapter Provided	Specific For Destination Country
Built-in GSM Modem w/External Antenna	Optional
Reset Button (Restore To Default Settings)	Yes
0-5V Analog Sensor Input	Yes, 2 Ports
External Relay Outputs	2 Ports (0.3A@125VAC / 1A@24VDC)
External Light Tower Connection Port	Yes, 2 Ports
External Light Tower, Cable & Mounting Bracket	Optional
Ethernet Port & Speed	RJ-45, 10/100 Mbps BaseTX
Ethernet Link & Activity Indicator	Yes
Ethernet Cable (Included)	10', Red, Snagless

<b>Web Server (Built-In)</b>	
Standalone Capability (No PC Required)	Yes
Built-In Web Server	Yes
Web Browser Interface	Yes
Password Protected	Yes
Built-In Web Server Alert Methods	Email, SMS, SNMP, Web
Built-In Web Server Alert Recipients	Individuals, Groups
Built-In Ping Capability	Yes
Graphic Sensor Status Displays	Yes
Real-Time Digital Temperature	Yes
Temperature Values Displayed	Yes, Fahrenheit or Celsius
Temperature High / Low Watermarks Displayed	Yes
Real-Time Digital Humidity	Yes
Humidity Values Displayed	Yes, % Relative Humidity
Humidity High / Low Watermarks Displayed	Yes
Heat Index Calculated & Displayed	Yes, Fahrenheit or Celsius
Real-Time Values In Alerts	Yes
Easy Click Firmware Updates	Yes
SNMP Enabled (Trap & Query)	Yes
Compatible With SNMP Monitoring Applications	Yes
Real-Time Logging Of Sensor Data Via...	Device MgR, & SNMP Software
Real-Time Sensor Data Feeds	HTTP, SNMP, JSON, AJAX
MIB Files Available	Yes, Download

<b>Digital Sensors (Internal &amp; External)</b>	
Digital Sensor Compatibility	Temperature, Temp/Humidity, Power
Built-In Digital Sensors (Internal)	Temperature, Humidity
Digital Sensor Ports (External)	8 RJ-11
Digital Sensor Capacity (Total)	10
Digital Temperature Sensors (Included)	1 Internal, 1 External
Digital Temperature Sensor Range	-67 to 257 F (-55 to 125 C)
Digital Temperature Sensor Accuracy	+ / - 0.125
Digital Humidity Sensors (Included)	1 Internal, 0 External
Digital Humidity Sensor Range	0% to 100% RH
Digital Humidity Sensor Accuracy	+ / - 3.5%
Digital Sensor Cable Type & Standard Length	RJ-11 Cable, 25'
Maximum Digital Sensor Cable Length	Approximately 100'
Digital Sensor Alert Indicator (LED)	Yes

<b>Switch Sensors (Internal &amp; External)</b>	
Switch Sensor Contact Sets (External)	16 On Back Side
Switch Sensor Capacity	16
Built-In Switch Sensors (Internal)	Power
Power Sensor	1 Internal Included
Mini UPS & Power Sensor	Internal
Flood Sensor	Optional
Smoke Sensor	Optional
IP Camera With Motion Sensor	Optional
Air Flow Sensor	Optional
Room Entry Sensor	Included
Panic Button	Optional
Other AVTECH Sensors (See Website)	Optional
Dry Contacts (On Other Sensors or Devices)	Air Conditioner, UPS, Cooler, Etc.
Allows Multiple Sensors On Single Channel **	Yes, Via Chain or Spoke **
Switch Sensor Cable Type & Standard Length	2 Wire Cable, 25'
Maximum Switch Sensor Cable Length	Approximately 900'
Switch Sensor Alert Indicator (LED)	Yes

<b>Wireless Sensor Hubs</b>	
WiSH Sensor Compatible (Powered or Battery)	No
WiSH Units Included	*
WiSH Communication Range (Distance)	*
WiSPR Sensor Compatible	No
WiSPR Units Included	*
WiSPR Communication Range (Distance)	*
Maximum WiSH/WiSPR Capacity (Quantity)	*
WiSH Signal Strength Indicators (LED)	*
Wireless Sensor Alert Indicator	*



<b>Bundled Device Manager Software (No Charge)</b>	
Device Manager Software License	Full Use License Included
Full Use License Included	

**Advanced Software For Discovery, Logging, Graphing, Alerting, Automatic Corrective Action & More...**



# Device ManageR

Device Manager is AVTECH's newest software package that comes 'FREE' with the purchase of any AVTECH IT & facilities environment monitoring solution. Device Manager is an all-in-one solution for the discovery, management, monitoring, alerting, logging, graphing, automatic action and more of AVTECH's IT & facilities environment monitoring hardware and Axis network cameras. Complete with its unique range of features, Device Manager runs as a Windows Service and will continuously and automatically discover Room Alert and TemPageR devices network-wide using an optional UDP broadcast scan and displaying multiple units through a single web interface, accessible from anywhere.

Ideal for managing multiple deployments or single units, AVTECH's Device Manager software allows users to send alert notifications, take automatic actions to resolve issues, automatically log sensor data in an embedded SQL database for one click export, view graphed data over a user-specified amount of time with the ability to toggle between graph and sensor displays, monitor alert status for multiple units, set monitoring thresholds, set multiple IP addresses, update firmware and more.

Device Manager includes powerful features that allow users to send alert notifications when issues or events occur across their network. Device Manager allows for unlimited alerting of customizable alert and alert clear notifications to individuals and groups, hierarchies, dependencies and scheduling. It also allows for Actions on Alert/Alert clear conditions such as toggling Signal Tower LEDs, Send Web URL requests, sending screenshot images from Axis network cameras and more. All this is possible through a single installation, with no rules and no agents.

Device Manager greatly enhances the value of AVTECH's product line, making it easier for users with multiple Room Alert and TemPageR units to monitor and document environment conditions, improve reliability, and decrease unplanned downtime or costly hardware replacement. Device Manager also provides unlimited discovery of Axis network cameras and acts as a single IP web interface for viewing real-time images for individual, groups or all Axis cameras found across the network.

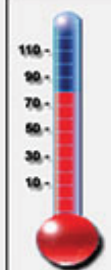

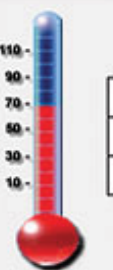
## Features & Specification For Device Manager

### Software

Host System OS	Windows NT, 2K, XP, 2K3, VISTA
Automatic Room Alert & TemPageR Discovery	Yes, UDP Broadcast Scan
Automatic AXIS Camera Discovery	Yes, Bonjour Scan
Automatic Logging Of Real-Time Data	Yes, Limited Only By Disk Space
Automatic Data Graphing	Yes
Set Multiple IP Addresses	Yes
Maximum TemPageR & Room Alert Units Monitored	Unlimited, Single Screen
Update Room Alert & TemPageR Firmware	Yes, Multiple Devices
Export Sensor Data	Yes, Excel or CSU
Easy To Use Graphic Interface	Yes, No Rules, No Agents
Web Browser Interface	Yes, Any Browser Worldwide
View Realtime AXIS Camera Images	Yes, Unlimited
Maintenance Support & Update Service (MSUS)	12 Months Included, Unlimited Support
Unlimited Toll Free Technical Support	Yes
Assigned Product Specialist	Yes
Software Distribution	Download & CD Media
Software Update Frequency	3-4 Times Per Year
CD Updates Shipped	1-2 Times Per Year

## Room alert web browser

**Room Alert™** Advanced Computer Room Environment Monitoring, Alerting & Automatic Corrective Action

Status	Settings	Help	About																		
<b>RA4E-KitchenApp - Current Sensor Status</b> 07/12/08 12:10:20 - MAC: 00:20:4A:A5:10:9C <span style="float: right;">Room Alert 4E v1.0.0</span>																					
Display: All Sensors <input checked="" type="radio"/> Connected Sensors <input type="radio"/> <span style="float: right;">Update Every <input type="text" value="60"/> secs   Fahrenheit <input checked="" type="radio"/> Celsius <input type="radio"/></span>																					
Channel 1: Temperature <span style="color: green;">✔</span> <b>Kitchen</b>	Channel 2: Temperature <span style="color: red;">✘</span> <b>Walk-In</b>	Channel 3: Temperature <span style="color: green;">✔</span> <b>Dining Room</b>	Channel 4: Switch Sensor <span style="color: green;">✔</span> <b>Main Power</b>																		
 <table border="1" style="margin-left: auto; margin-right: auto;"> <tr><td>Temp:</td><td>81.50°F</td></tr> <tr><td>High:</td><td>82.22°F</td></tr> <tr><td>Low:</td><td>81.14°F</td></tr> </table>	Temp:	81.50°F	High:	82.22°F	Low:	81.14°F	 <table border="1" style="margin-left: auto; margin-right: auto;"> <tr><td>Temp:</td><td>44.06°F</td></tr> <tr><td>High:</td><td>44.24°F</td></tr> <tr><td>Low:</td><td>43.88°F</td></tr> </table>	Temp:	44.06°F	High:	44.24°F	Low:	43.88°F	 <table border="1" style="margin-left: auto; margin-right: auto;"> <tr><td>Temp:</td><td>70.57°F</td></tr> <tr><td>High:</td><td>70.57°F</td></tr> <tr><td>Low:</td><td>70.46°F</td></tr> </table>	Temp:	70.57°F	High:	70.57°F	Low:	70.46°F	Current Status: <span style="background-color: yellow; padding: 5px; font-weight: bold;">CLOSED</span>
Temp:	81.50°F																				
High:	82.22°F																				
Low:	81.14°F																				
Temp:	44.06°F																				
High:	44.24°F																				
Low:	43.88°F																				
Temp:	70.57°F																				
High:	70.57°F																				
Low:	70.46°F																				
Current Ping Status <span style="background-color: gray; color: white; padding: 5px; font-weight: bold;">No Pings Configured</span>																					
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**Device ManageR v1.0**

Discovered Devices: 1 · Last Discovery: May 8, 2008 10:30:24 am · Temperature Scale:  F  C



**Room Alert 11E: Computer\_Room\_A**  

IP Address:	192.168.1.33
MAC Address:	00-20-4A-91-BA-8D
FW Version:	3.0.0
Date/Time:	02/16/36 03:57:25

**ACTIONS**  

Set IP Address	Update Firmware	Reset High/Low
Open Web	Export Log - CSV	
Open Settings	Sync Time	

Digital Sensors - 1 of 3 Connected  

Channel 2: Temperature	
✔	Sensor 2-1
Temperature	Hi: 24,68 °C Lo: 21,43 °C
22,12	.undefined °C

Switch Sensors - 0 of 8 Enabled

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