

Server Monitorizare Room Alert 32S

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A screenshot of the RoomAlert Monitor web interface. The interface is divided into several sections. On the left, there is a sidebar with navigation options: Status, Digital Sensors, Switch Sensors, Light Towers & Relays, Analog Sensors, Settings, and Help. The main content area shows the details for a specific device, RA32S-7011DD, including its Type, MAC, Serial, Firmware, and Local IP. Below this, there is a section for 'Digital Sensors' showing a temperature reading of 71.50 °F. The 'Account Status' section shows the account is registered to AVTECH with an 'Ultimate' upgrade level. A 'Triggered Alerts' section lists various alerts, such as 'AVTECH Example - Link 52 Room Alert L' (Not Connected, 2 days), 'RA12S-70033B Internal Sensor Alert' (81.86°F, 3 days), 'SB-RA3E-12101 3E Int Temp Alert' (72.55°F, 4 days), and 'ra32s-production not pushing' (Not Pushing, 5 days). At the bottom, there is a large image of the Room Alert 32S hardware unit with a 'Customize Dashboard' button. A 'SSL Secure Connection' badge is visible in the bottom left corner of the interface.

Room Alert 32S

Functii principale

- ▶ Serverul Room Alert 32 este cel mai avansat server de monitorizare Room Alert;
- ▶ Poate fi utilizat pentru:
 - ▶ Monitorizare - Temperatura, Umiditate, Curent;
 - ▶ Detectie - Fum, Foc, Inundatie, Pana curent, Miscare, Usa deschisa, Geam deschis, Flux aer, Nivel apa/combustibil;
 - ▶ Automatizari - trimite comenzi pornit/oprit (On/Off) catre alte echipamente;
 - ▶ Notificari - EMail, EMail catre SMS, SMS, Pagini Web, Audio si Luminoase.



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Aplicatii

- ▶ Folosit in mod frecvent pentru monitorizarea mediului in:
 - ▶ Camera serverelor,
 - ▶ Centre de date,
 - ▶ Depozite,
 - ▶ Birouri.
 - ▶ Fabrici.



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Specificatii principale

- ▶ 8 x port digital (conector RJ11), pentru senzori de temperatura si umiditate de orice tip;
- ▶ 16 x port pentru senzori de contact de tip Fum, Foc, Inundatie, Curent, Usa deschisa, Geam deschis, Flux aer, Nivel apa/combustibil;
- ▶ 2 x port pentru senzori analogici de Intensitate curent;
- ▶ 2 x port pentru comenzi echipamente externe (Relay);
- ▶ 2 x port pentru conectare adaptor comenzi externe sau turn semnalizare luminoasa si audio;
- ▶ Alimentare cu curent in doua moduri:
 - ▶ Cu adaptor 220V, aflat in pachetul de baza;
 - ▶ Din retea IT, folosind Power over Ethernet (PoE);
- ▶ Mini UPS integrat, care ii asigura functionarea timp de aproximativ 15 minute, in cazul in care se pierde alimentarea cu curent electric;
- ▶ Interfata Web HTTPS si conectare catre servere SMTP (Email) SSL.



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Room Alert 32S

Senzori interni



Senzori aflatii in interiorul Serverului Room Alert 32S



Senzor de
Temperatura



Senzor de
Umiditate



Senzor de
Curent



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Conectare Senzori digitali



Maximum 8 x senzor extern de temperatura sau umiditate, de orice tip.



Temperatura
si umiditate
ecranat



Temperatura
si umiditate



Temperatura



Temperatura
pentru
fluide sau
medii
extreme



Temperatura
pentru
uz extern



Senzor de
Temperatura
si Flux de
Aer



Senzor de
particule
Calitate Aer
PM2.5 PM10

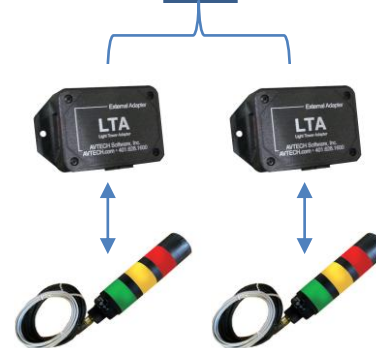


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Conectare Turnuri de semnalizare



Maximum doua turnuri de semnalizare.



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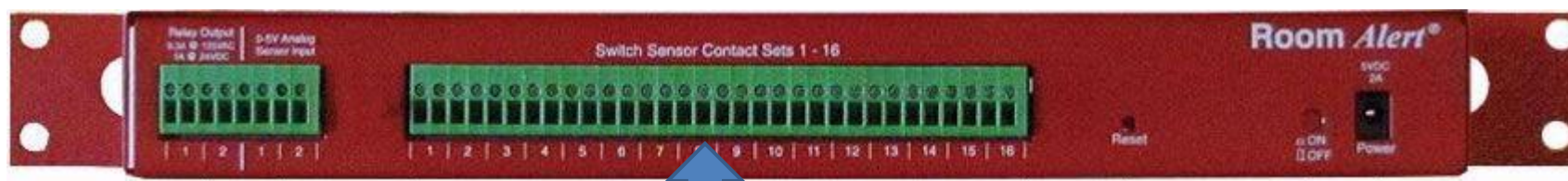
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Conectare Senzori de contact



Maximum 16 x senzor extern de contact,
de orice tip.



Senzor
Inundatie,
cu cablu



Senzor
Inundatie,
Tip Spot



Senzor
Curent



Senzor
Miscare



Senzor
Usa deschisa
Geam deschis



Senzor
Nivel
Combustibil
sau apa



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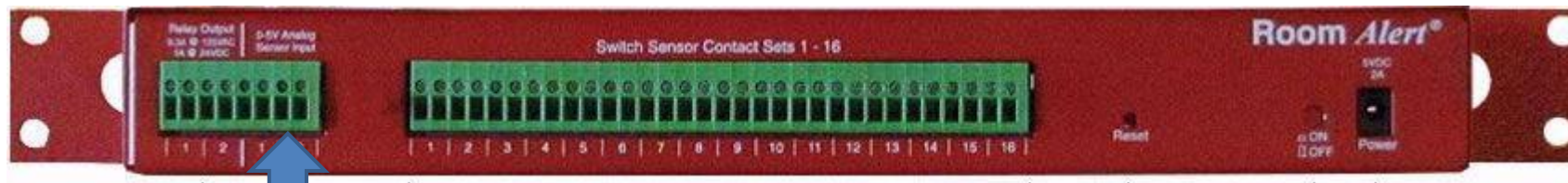
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Conectare Senzori de intensitate curent



Maximum 2 x senzor extern de Intensitate curent, de orice tip.



Senzor
Intensitate
curent
50A

Senzor
Intensitate
curent
250A



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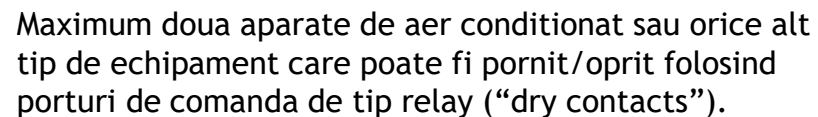


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Maximum doua comutatoare iBoot, care pot porni/opri orice tip de echipament conectat la rețeaua de curent 220V.

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Interfata si Room Alert Account

The image displays two overlapping screenshots of the RoomAlert web interface. The top screenshot shows the 'RoomAlert Monitor' page for device RA32S-7011DD, including details like MAC, Serial, Firmware, and Local IP, alongside an 'Account Status' section showing it is registered to AVTECH with an 'Ultimate' upgrade level. The bottom screenshot shows the 'RoomAlert Account' dashboard with a list of triggered alerts, such as 'AVTECH Example - Link 52 Room Alert L' (Not Connected) and 'RA12S-70033B Internal Sensor Alert' (81.86°F). A sidebar on the left provides navigation for digital sensors, settings, and help. A 'Customize Dashboard' button is visible at the bottom of the dashboard. To the right of the screenshots are buttons for downloading the app from the App Store and Google Play. An 'SSL Secure Connection' badge is located at the bottom left of the interface area.



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Interfata - Senzori digitali



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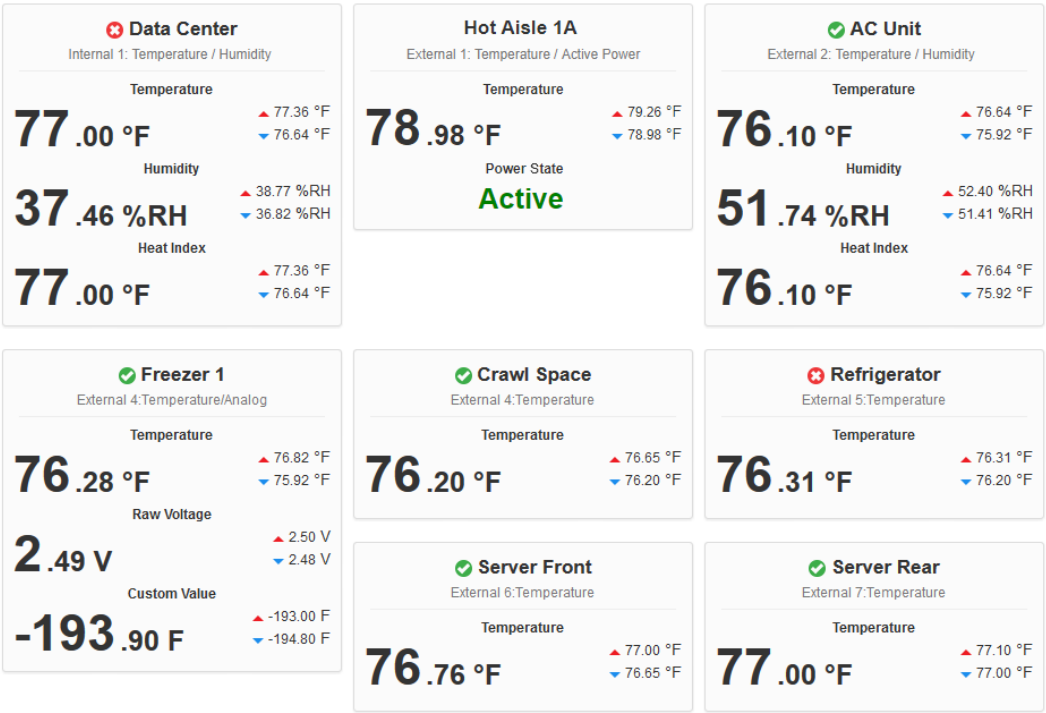
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Digital Sensors



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Interfata - Senzori de contact



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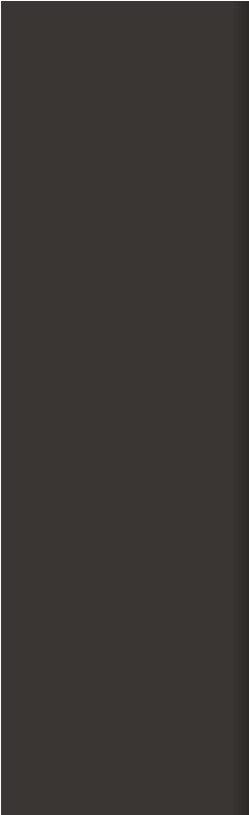
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Switch Sensors

Power - Rack 1 Channel 1: Switch ✓ CLOSED	Smoke Data Ctr Channel 2: Switch ✓ OPEN	Rm Entry Door 1 Channel 3: Switch ✗ OPEN	Air Flow - AC Channel 4: Switch ✓ OPEN
Flood - Cable Channel 5: Switch ✓ CLOSED	Motion Data Ctr Channel 6: Switch ✗ OPEN	Panic Data Ctr Channel 7: Switch ✓ OPEN	Water Tank Channel 8: Switch ✓ OPEN
Fuel Tank Channel 9: Switch ✓ OPEN	Mini UPS Channel 10: Switch ✓ CLOSED	Power - Rack 2 Channel 11: Switch ✓ CLOSED	Smoke - Hall Channel 12: Switch ✓ OPEN
Rm Entry Door 2 Channel 13: Switch ✓ CLOSED	Air Flow - Vent Channel 14: Switch ✓ OPEN	Flood - Spot Channel 15: Switch ✓ CLOSED	Panic - Hall Channel 16: Switch ✓ OPEN

Wireless Sensors

Powered Wireless Sensor Hub 1 Name Attic Serial Number 64BDF9000001	Powered Wireless Sensor Hub 2 Name Basement Serial Number 4B10DC000001	Wireless Sensor Hub & Powered Relay 3 Name Annex - South Serial Number F705DC000002
--	---	--



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Interfata - Turn semnalizare



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Flood - Cable
Channel 1: Switch
OPEN

Light Towers and Relays

Inside DC
Light Tower
Alarm 1
Alarm 2
LTA Relay
Off

AC and Fans
Relay Status
Relay 1
On
Relay 2
Off
Relay 3
Off
Relay 4
Off
LTA Relay
Off

Pump 1 Control
Relay Status
Channel 1: Relay
On

Pump 2 Control
Relay Status
Channel 2: Relay
On

Analog Sensors

AC Power Draw
Internal 1: Analog
Raw Voltage
2.50 V
Custom Value
125.00 A

Freezer 2
Internal 2: Analog
Raw Voltage
2.62 V
Custom Value
-182.20 F



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Interfata - Configurare senzori digitali



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Status

Settings

Sensors

Alarms

Network

SMTP

SNMP

Security

Advanced

Help

Sensor Settings

General Alarm Configuration

Trigger Alarm If Sensor Is Disconnected? ☐

Alarm Thresholds

Internal Sensor Alarm Configuration

Sensor Type: Temp/Humidity

Use Alarm Profile: Profile 1

Sensor Label	Alarm On	High	Low	Adjust
Data Center	Temperature (°F)	81	64	0
☐ Monitor Heat Index	Humidity (%RH)	60	40	0

Sensor 1 Alarm Configuration

Sensor Type: Temp/Active Power

Use Alarm Profile: Profile 1

Sensor Label	Alarm On	High	Low	Adjust
Hot Aisle 1A	Temperature (°F)	0	0	0
	Power	No Power Detected		

Sensor 2 Alarm Configuration

Sensor Type: Temp/Humidity

Use Alarm Profile: Profile 1

Sensor Label	Alarm On	High	Low	Adjust
AC Unit	Temperature (°F)	79	64	0

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Room Alert
Authorized Reseller

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Interfata - Configurare Senzori de contact



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Switch Sensor Settings

Sensor 1 Label Power - R:	Alarm On Open	Alarm Profile Profile 1
Sensor 2 Label Smoke Da	Alarm On Closed	Alarm Profile Profile 1
Sensor 3 Label Rm Entry I	Alarm On Open	Alarm Profile Profile 1
Sensor 4 Label Air Flow -	Alarm On Closed	Alarm Profile Profile 1
Sensor 5 Label Flood - Ca	Alarm On Open	Alarm Profile Profile 1
Sensor 6 Label Motion Da	Alarm On Open	Alarm Profile Profile 1
Sensor 7 Label Panic Da:	Alarm On Closed	Alarm Profile Profile 1
Sensor 8 Label Water Tan	Alarm On Closed	Alarm Profile Profile 1
Sensor 9 Label Fuel Tank	Alarm On Closed	Alarm Profile Profile 1
Sensor 10 Label Mini UPS	Alarm On Open	Alarm Profile Profile 1
Sensor 11 Label Power - R:	Alarm On Open	Alarm Profile Profile 1
Sensor 12 Label Smoke - H	Alarm On Closed	Alarm Profile Profile 1
Sensor 13 Label	Alarm On	Alarm Profile
Sensor 14 Label	Alarm On	Alarm Profile
Sensor 15 Label	Alarm On	Alarm Profile



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Interfata - Configurare Senzori analogici



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Analog Sensor Settings

Analog Sensor 1 Alarm Configuration

Sensor Label	High	Low	Adjust	Enabled
AC Power Draw	140.0	0	0	☒

Use Alarm Profile: Profile 1

Enable ☒	High	Low
Reference	5	0
Scale	250	0
Units	A	

Analog Sensor 2 Alarm Configuration

Sensor Label	High	Low	Adjust	Enabled
Freezer 2	14.0	-220.0	0	☒

Use Alarm Profile: Profile 1

Enable ☒	High	Low
Reference	5	1
Scale	32	-328
Units	F	

Switch Sensor Settings

Sensor 1 Label	Alarm On	Alarm Profile

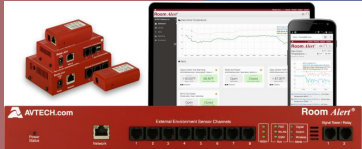
Sensor 2 Label	Alarm On	Alarm Profile

Sensor 3 Label	Alarm On	Alarm Profile



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Interfata - Configurare Alerte



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Status

Settings

Sensors

Alarms

Network

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Advanced

Help

Alarm Settings

LTA 1 Label

Inside DC

LTA 2 Label

AC and Fans

LTA 1 Connected

Red/Yellow/Green w/ Audio

LTA 2 Connected

Relay

Relay 1 Label

Pump 1 Control

Relay 2 Label

Pump 2 Control

Profile 1

Choose an Alarm or Boot Profile to view or edit.

LTA 1 Action Configuration

Profile 1	Red LED	Yellow LED	Green LED	Audio 1	Audio 2	LTA Relay
On Alarm	On	Off	Off	On	Off	Off
On Clear	Off	Off	On	Off	Off	Off

Relay 1 Action Configuration

Profile 1	Relay

LTA 2 Action Configuration

Profile 1	Relay 1	Relay 2	Relay 3	Relay 4	LTA Relay
On Alarm	On	Off	Off	Off	Off
On Clear	Off	On	On	On	Off

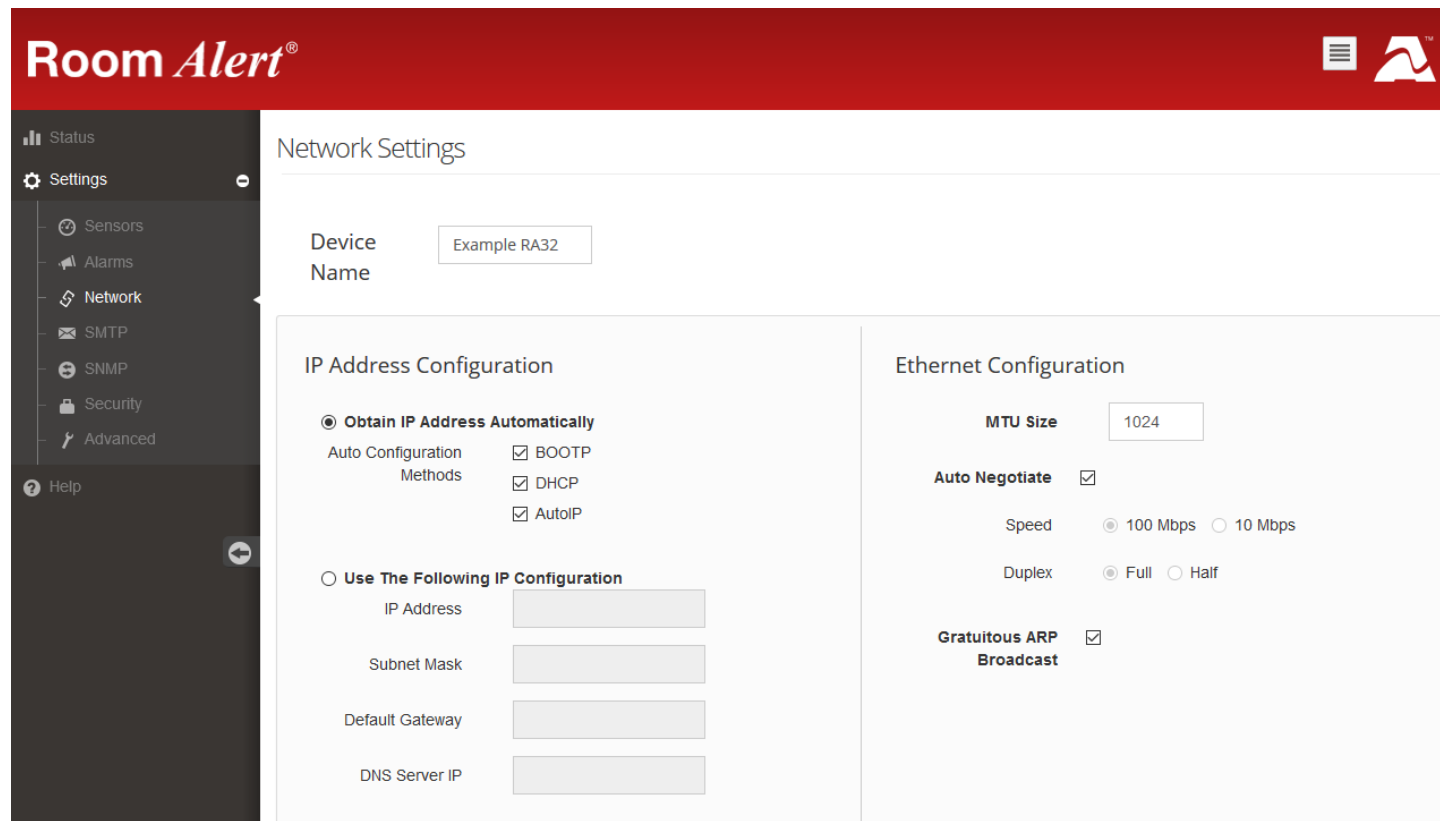
Relay 2 Action Configuration

Profile 1	Relay



Room Alert 32S

Interfata - Configurare Retea



The screenshot displays the 'Room Alert' web interface. The top navigation bar is red with the 'Room Alert' logo and a menu icon. A left sidebar contains a 'Settings' menu with options: Status, Sensors, Alarms, Network (selected), SMTP, SNMP, Security, and Advanced. The main content area is titled 'Network Settings'. It includes a 'Device Name' field with the value 'Example RA32'. Below this, there are two main configuration sections: 'IP Address Configuration' and 'Ethernet Configuration'. The 'IP Address Configuration' section has two radio buttons: 'Obtain IP Address Automatically' (selected) and 'Use The Following IP Configuration'. Under the selected option, there are checkboxes for 'BOOTP', 'DHCP', and 'AutoIP', all of which are checked. The 'Use The Following IP Configuration' section has input fields for 'IP Address', 'Subnet Mask', 'Default Gateway', and 'DNS Server IP'. The 'Ethernet Configuration' section includes an 'MTU Size' field set to '1024', an 'Auto Negotiate' checkbox (checked), 'Speed' options for '100 Mbps' (selected) and '10 Mbps', 'Duplex' options for 'Full' (selected) and 'Half', and a 'Gratuitous ARP Broadcast' checkbox (checked).



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Interfata - Configurare SMTP (Email)



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SNMP

Security

Advanced

Help

Email Settings

[How To Set Up Email In Room Alert \(FAQ\)](#)

Email Enabled

☒

Email Footer Enabled

☒

Use SMS

☐

Mail Server:

Domain Name/IP

mail.server.com

Port

25

Timeout

5

Return Address

(From)

You@YourOrganization.com

Email Recipients

(Separated By Comma)

ITMgr@YourOrganization.com

Display URL Enabled

☒

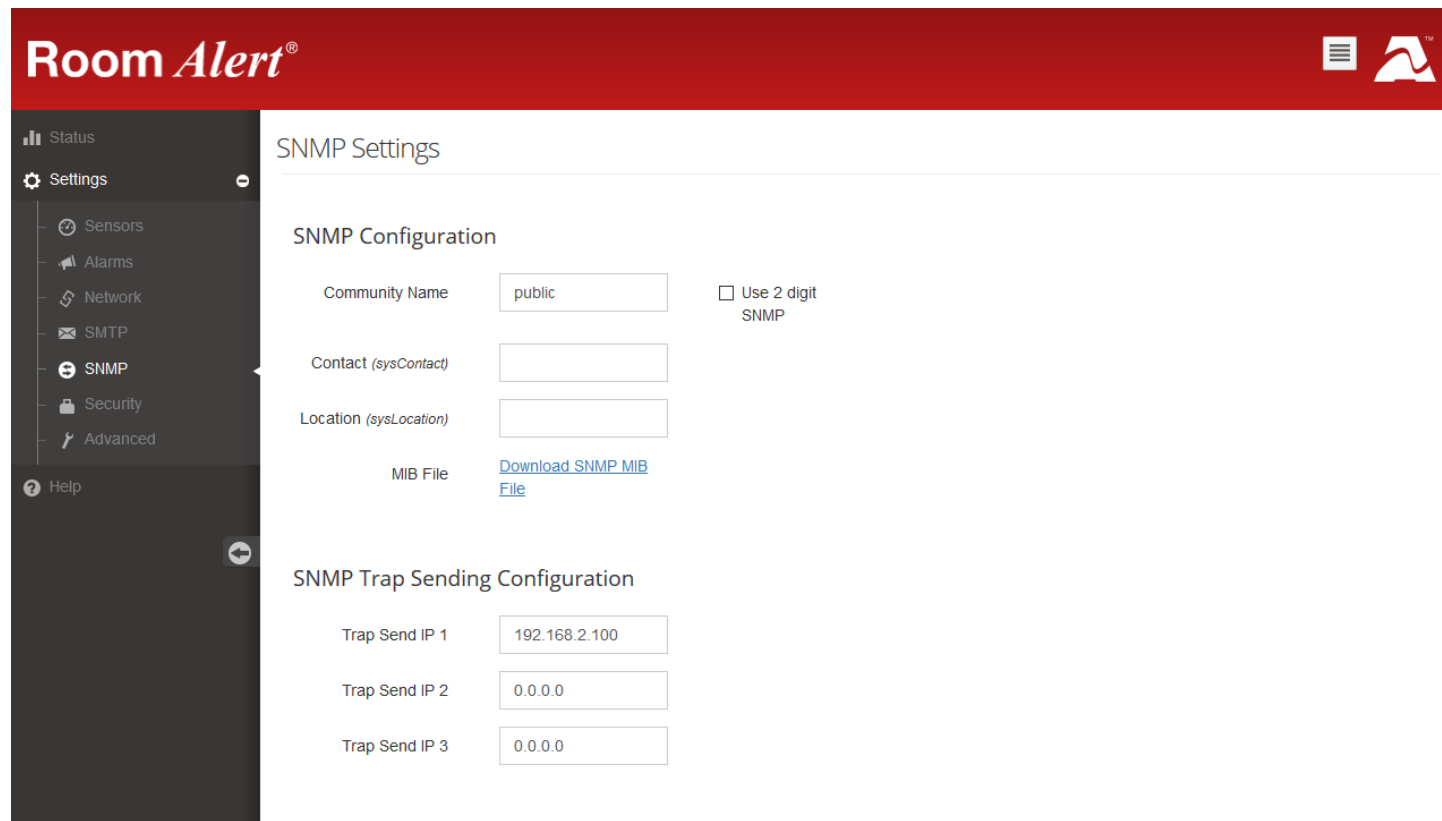
Display URL

192.168.2.115



Room Alert 32S

Interfata - Configurare SNMP



Room Alert®

Status

Settings

- Sensors
- Alarms
- Network
- SMTP
- SNMP
- Security
- Advanced

Help

SNMP Settings

SNMP Configuration

Community Name: ☐ Use 2 digit SNMP

Contact (sysContact):

Location (sysLocation):

MIB File: [Download SNMP MIB File](#)

SNMP Trap Sending Configuration

Trap Send IP 1:

Trap Send IP 2:

Trap Send IP 3:



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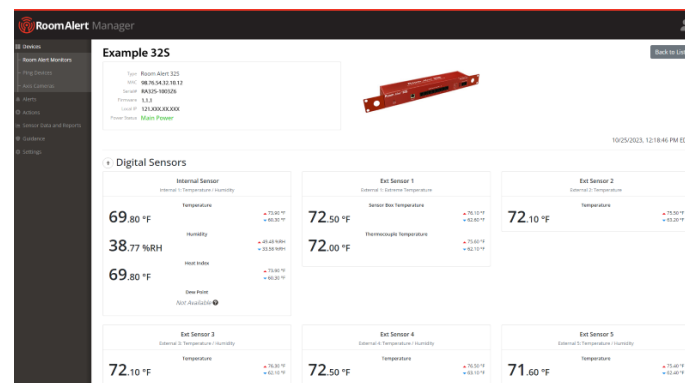
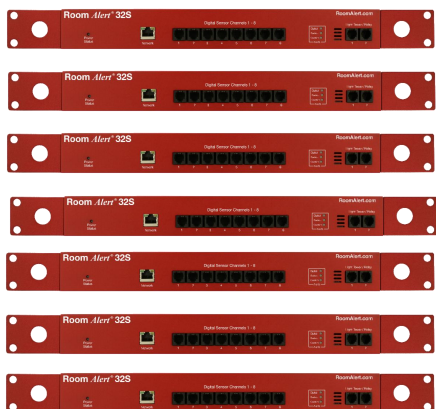
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Room Alert 32S

Room Alert Manager si Notificari SMS



Servere Room Alert
din aceeasi retea
cu serverul pe care este
instalata aplicatia
Room Alert Manager.

Room Alert Manager
Aplicatie Web -
Centralizator Servere si Sensori Room Alert.
Necesita un Server cu
sistem de operare Windows / Linux.

Modem GSM - Pentru trimitere SMS-uri.
Conectat pe portul USB
al Serverului
pe care este instalata aplicatia
Room Alert Manager.
Necesita un card SIM .



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Room Alert 32S

Continut Pachet Livrare



Server Room Alert 32S



BONUS!
Senzor
de temperatura
si umiditate
lungime cablu 7m



BONUS!
Senzor
de temperatura
cu
lungime cablu 7m



Adaptor de
curent 220V



Cablu
de retea



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Avantaje ale unor solutii Room Alert

- ▶ Varietatea caracteristicilor de mediu care pot fi monitorizate de sistemele Room Alert:
 - ▶ Temperatura, Umiditate, Calitate Aer PM2.5/PM10 si Curent - Monitorizare;
 - ▶ Foc, Inundatie, Pana curent, Acces, Flux aer, Nivel apa/combustibil - Detectie;
- ▶ Monitorizare sau Detectie de la distanta, in timp real;
 - ▶ Notificari: EMail, EMail catre SMS, SMS, Semnale luminoase si audio;
 - ▶ Istoric date in cloud, accesibil de oriunde, folosind orice dispozitiv;
 - ▶ Automatizari - comenzi pornit/oprit (On/Off) catre alte echipamente;
- ▶ Solutii scalabile;
 - ▶ Posibilitatea adaugarii in sistemul centralizat de monitorizare a unor Servere sau Senzori noi.
- ▶ Nu necesita Statii de lucru sau Servere pentru soft-uri aditionale;
 - ▶ Cu exceptia situatiei in care se doreste instalarea aplicatiei Room Alert Manager.



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Avantaje ale unor solutii Room Alert

- ▶ Solutii mature:
 - ▶ Peste 40 de ani de experienta in dezvoltarea acestor solutii;
 - ▶ Premiate in mod constant in ultimii ani;
- ▶ Solutii comercializate in peste 180 de tari catre clienti cu renume;
- ▶ Unul din cele mai bune rapoarte Calitate-Pret;
- ▶ Produse fabricate de catre Avtech Software (SUA).



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Beneficii ale unor solutii Room Alert

- ▶ Continuitatea afacerii prin prevenirea dezastrelor:
 - ▶ Reducerea costurilor aparute datorita opririi activitatii si distrugerii activelor;
 - ▶ Protejeaza activele companiei;
- ▶ Suport pentru:
 - ▶ Procesele de Audit, Control sau Inspectie prin salvarea datelor in cloud-ul Room Alert;
 - ▶ Implementarea Standardelor de Securitate ISO (Ex. ISO 27001).



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Facilitati oferite de Atlas Systems

- ▶ Asistenta tehnica, Consultanta si Proiectare;
- ▶ Livrare din stoc;
- ▶ Garantie;
- ▶ Site Web www.atlas-systems.ro:
 - ▶ Protocol securizat (https);
 - ▶ Plati OnLine;
 - ▶ Filtre pentru cautare rapida, Stocuri OnLine, Promotii, etc;
- ▶ Produsele Room Alert sunt listate in Catalogul de Achizitii Publice Directe SEAP/SICAP.



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Despre Atlas Systems

- ▶ Reseller autorizat Avtech Software - SUA;
- ▶ Capital integral romanesc;
- ▶ 20 ani de experienta in IT-ul din Romania.
- ▶ CIF (VAT No.): RO18177081:
- ▶ Numar de inregistrare in Registrul Comertului: J40/20164/2005;
- ▶ Banca: ING - 13 Septembrie;
- ▶ IBAN: RO55 INGB 0000 9999 0255 4319.



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Sfarsit

Va multumim pentru atentie!



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