

Room Alert.ro

Server Monitorizare Room Alert 12E / 12ER / 12S / 12SR - Iunie 2020



IoT for Smart City

www.RoomAlert.ro

admin@RoomAlert.ro

004 0724 375 805

Atlas Systems

Bucuresti

Romania

Room Alert 12E / 12ER / 12S / 12SR

Functii principale

- ▶ Serverul Room Alert 12 este server de monitorizare Room Alert din clasa de mijloc;
- ▶ 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.
 - ▶ Autentificare in servere de email de tip TLS SSL doar pt. Room Alert 12S si 12SR
 - ▶ Interfata Web Http
 - ▶ Interfata Web Https doar pt. Room Alert 12S si 12SR



IoT for Smart City

www.RoomAlert.ro

admin@RoomAlert.ro

004 0724 375 805

Atlas Systems

Bucuresti

Romania



Room Alert 12E / 12ER / 12S / 12SR

Aplicatii

- ▶ Folosit in mod frecvent pentru monitorizarea mediului in:
 - ▶ Centre de date,
 - ▶ Fabrici,
 - ▶ Depozite,
 - ▶ Cladiri de birouri,
 - ▶ Retail.



IoT for Smart City

www.RoomAlert.ro

admin@RoomAlert.ro

004 0724 375 805

Atlas Systems

Bucuresti

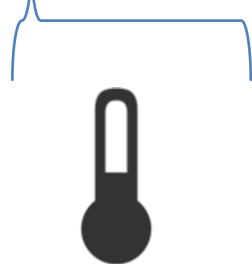
Romania



- ## Romania

Room Alert 12E / 12ER / 12S / 12SR

Senzori interni



Senzor de
Temperatura

Senzori aflatii in interiorul
Serverului Room Alert 12E / 12ER /
12S / 12SR



IoT for Smart City

www.RoomAlert.ro

admin@RoomAlert.ro

004 0724 375 805

Atlas Systems

Bucuresti

Romania



Room Alert 12E / 12ER / 12S / 12SR

Conectare Senzori digitali



Maximum 3 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

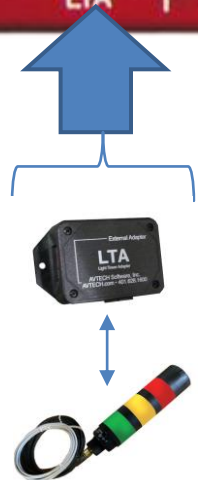
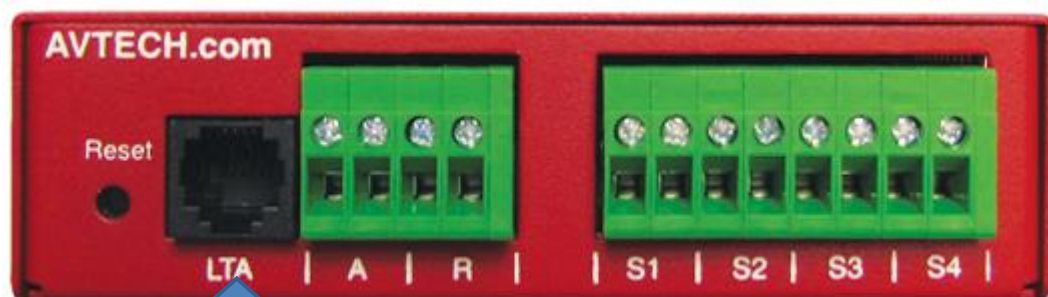


Senzor de
Temperatura
si Putere
Activa



Room Alert 12E / 12ER / 12S / 12SR

Conectare Turnuri de semnalizare



Maximum un turn de semnalizare.



IoT for Smart City

www.RoomAlert.ro

admin@RoomAlert.ro

004 0724 375 805

Atlas Systems

Bucuresti

Romania



Room Alert 12E / 12ER / 12S / 12SR

Conectare Senzori de contact



Maximum 4 x senzor extern de contact, de orice tip.



Senzor
Inundatie,
cu cablu



Senzor
Inundatie,
Tip Spot



Senzor
Fum / Foc



Senzor
Curent



Senzor
Miscare



Senzor
Usa deschisa
Geam deschis



Senzor
Flux aer



Senzor
Nivel
Combustibil
sau apa



IoT for Smart City

www.RoomAlert.ro

admin@RoomAlert.ro

004 0724 375 805

Atlas Systems

Bucuresti

Romania

Room Alert 12E / 12ER / 12S / 12SR

Conectare Senzori de intensitate curent



Maximum 1 x senzor extern de Intensitate curent, de orice tip.



Senzor
Intensitate
curent
50A

Senzor
Intensitate
curent
250A



IoT for Smart City

www.RoomAlert.ro

admin@RoomAlert.ro

004 0724 375 805

Atlas Systems

Bucuresti

Romania

Room Alert 12E / 12ER / 12S / 12SR

Conectare echipamente pe porturi Relay



Unitate
de aer conditionat
care are conectori
de tip Relay
("Dry contacts").



iBoot
Poate porni/opri
orice echipament
care se conecteaza
la reseaua de curent
220V.

Maximum un aparat de aer conditionat sau orice alt tip de echipament care poate fi pornit/oprit folosind porturi de comanda de tip relay ("dry contacts").
Sau
Maximum un comutator iBoot, care pot porni/opri orice tip de echipament conectat la reseaua de curent 220V.



IoT for Smart City

www.RoomAlert.ro

admin@RoomAlert.ro

004 0724 375 805

Atlas Systems

Bucuresti

Romania



Room Alert 12E / 12ER / 12S / 12SR

Interfata - Pagina de start



IoT for Smart City
www.RoomAlert.ro
admin@RoomAlert.ro
004 0724 375 805
Atlas Systems
Bucuresti
Romania

Room Alert®

Status

- Digital Sensors
- Switch Sensors
- Light Towers and Relays
- Analog Sensors

Settings**Help**

Example RA12E

08/29/17 13:48:16

Type **Room Alert 12E** Firmware **vX.X.X** ✓
MAC **1A:2B:3C:4D:5E:6F** Local IP **192.168.2.137**
Serial# **RA12-4D5E6F**



GoToMyDevices
Registered To **AVTECH Example**
Push is **Enabled**
Connected Last Push **08/29/2017 13:42:48**

Sensors

Updates Every seconds Fahrenheit Celsius

Digital Sensors

Data Center
Internal 1: Temperature
72.32 °F
▲ 72.57 °F
▼ 71.96 °F

Hot Aisle 1A
External 1: Temperature / Active Power
78.98 °F
▲ 79.26 °F
▼ 78.98 °F
Power State
Active

AC Unit
External 2: Temperature / Humidity
75.77 °F
▲ 76.51 °F
▼ 75.27 °F
Humidity
41.72 %RH
▲ 42.40 %RH
▼ 41.38 %RH
Heat Index

Atlas Systems
Room Alert
Authorized Reseller

11

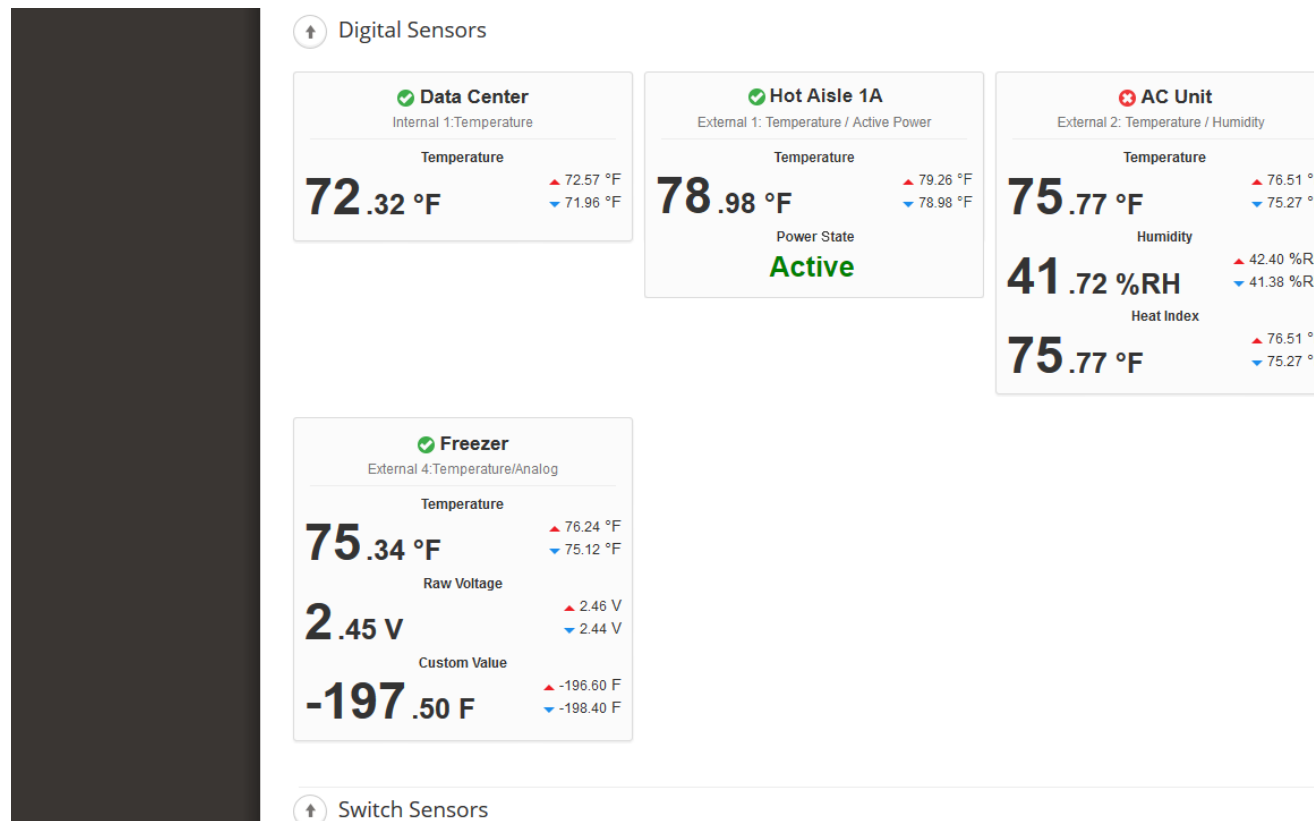
Room Alert 12E / 12ER / 12S / 12SR

Interfata - Senzori digitali



IoT for Smart City
www.RoomAlert.ro
admin@RoomAlert.ro
004 0724 375 805

Atlas Systems
Bucuresti
Romania



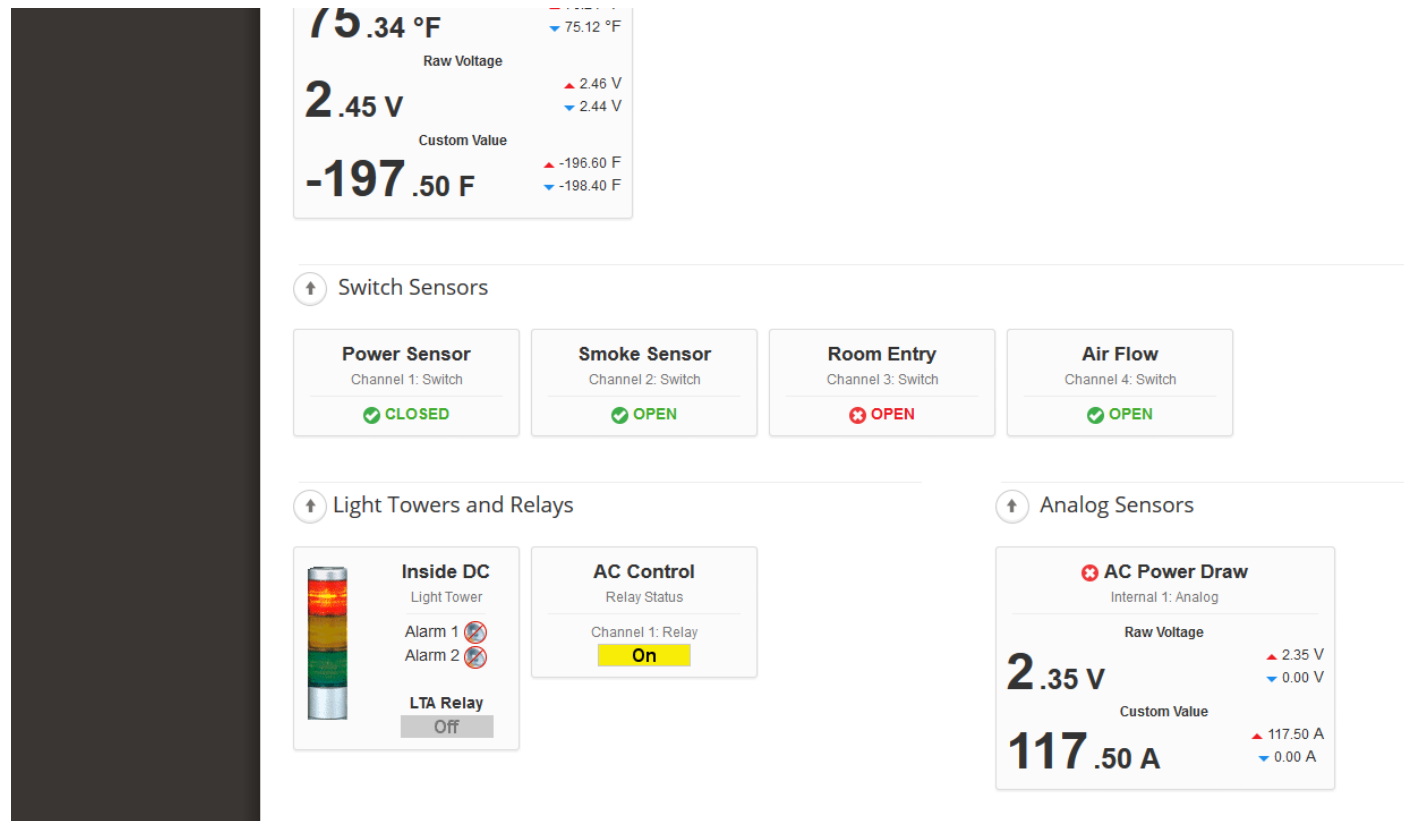
Room Alert 12E / 12ER / 12S / 12SR

Interfata - Senzori de contact si Turn



IoT for Smart City
www.RoomAlert.ro
admin@RoomAlert.ro
004 0724 375 805

Atlas Systems
Bucuresti
Romania



Room Alert 12E / 12ER / 12S / 12SR

Interfata - Configurare senzori



IoT for Smart City

www.RoomAlert.ro

admin@RoomAlert.ro

004 0724 375 805

Atlas Systems

Bucuresti

Romania

Room Alert®

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:	Temperature	Use Alarm Profile:	Profile 1	
Sensor Label	Alarm On	High	Low	Adjust
Data Center	Temperature (°F)	75	64	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)	75	64	0

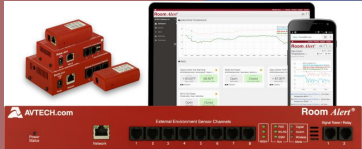
Sensor 3 Alarm Configuration

Sensor Type:	Temp/Analog	Use Alarm Profile:	Profile 1	
Sensor Label	Alarm On	High	Low	Adjust
FRR2RF	Temperature	0	0	0



Room Alert 12E / 12ER / 12S / 12SR

Interfata - Configurare Senzori Analogici si de Contact



IoT for Smart City

www.RoomAlert.ro

admin@RoomAlert.ro

004 0724 375 805

Atlas Systems

Bucuresti

Romania

Analog Sensor Settings

Analog Sensor 1 Alarm Configuration

Sensor Label	High	Low	Adjust	Enabled	Enable ☒	High	Low
AC Power Draw	75.0	0	0	☒	Reference	5	0
Use Alarm Profile: Profile 1					Scale	250	0
					Units	A	

Switch Sensor Settings

Sensor 1 Label	Alarm On	Alarm Profile
Power Ser	Open	Profile 1

Sensor 2 Label	Alarm On	Alarm Profile
Smoke Se	Closed	Profile 1

Sensor 3 Label	Alarm On	Alarm Profile
Room Enti	Open	Profile 1

Sensor 4 Label	Alarm On	Alarm Profile
Air Flow	Closed	Profile 1



Room Alert 12E / 12ER / 12S / 12SR

Interfata - Configurare Alerte



IoT for Smart City
www.RoomAlert.ro
admin@RoomAlert.ro
004 0724 375 805

Atlas Systems
Bucuresti
Romania

Room Alert®

Status

Settings

Sensors

Alarms

Network

SMTP

SNMP

Security

Advanced

Help

Alarm Settings

LTA 1 Label

Inside DC

LTA 1 Connected

Red/Yellow/Green w/ Audio

Relay 1 Label

AC 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	Off	Off	Off
On Clear	Off	Off	On	Off	Off	Off

Relay 1 Action Configuration

Profile 1	Relay
On Alarm	On



Room Alert 12E / 12ER / 12S / 12SR

Interfata - Configurare Retea



IoT for Smart City
www.RoomAlert.ro
admin@RoomAlert.ro
004 0724 375 805
Atlas Systems
Bucuresti
Romania

Room Alert®

Status

Settings

Sensors

Alarms

Network

SMTP

SNMP

Security

Advanced

Help

Network Settings

Device Name

Example RA12E

Obtain IP Address Automatically

Auto Configuration Methods

BOOTP

DHCP

AutoIP

Use The Following IP Configuration

IP Address

Subnet Mask

Default Gateway

DNS Server IP

Ethernet Configuration

MTU Size

1024

Auto Negotiate

Auto Negotiate

Speed

100 Mbps

10 Mbps

Duplex

Full

Half

Gratuitous ARP Broadcast

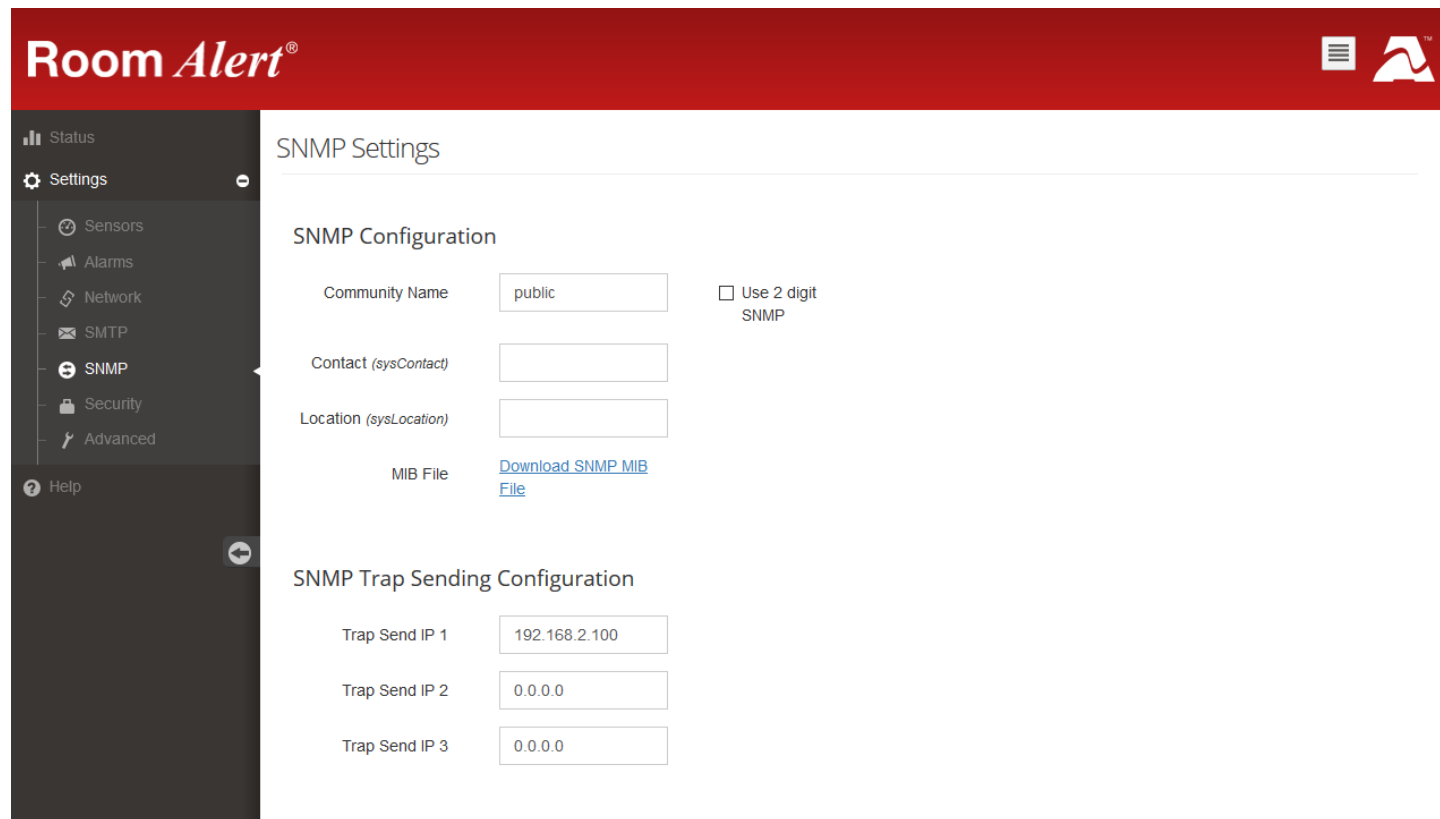
Gratuitous ARP Broadcast



IoT for Smart City
www.RoomAlert.ro
admin@RoomAlert.ro
004 0724 375 805
Atlas Systems
Bucuresti
Romania

Room Alert 12E / 12ER / 12S / 12SR

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:



IoT for Smart City
www.RoomAlert.ro
admin@RoomAlert.ro
004 0724 375 805
Atlas Systems
Bucuresti
Romania



Room Alert 3E

Device ManageR si Notificari SMS



IoT for Smart City

www.RoomAlert.ro

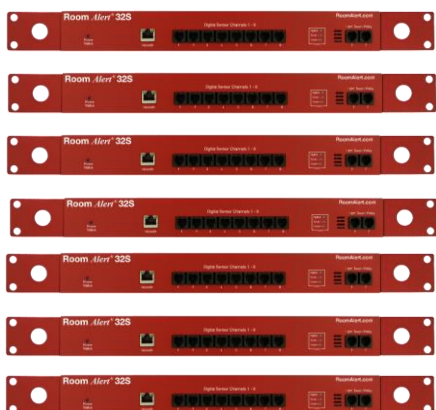
admin@RoomAlert.ro

004 0724 375 805

Atlas Systems

Bucuresti

Romania



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

Device ManagerR
Aplicatie Web -
Centralizator Servere si Senzori 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
Device ManagerR.
Necesita un card SIM .



Room Alert 12E

Continut Pachet livrare



Server Room Alert 12E



BONUS!
Senzor
de temperatura
si putere activa
cu
lungime cablu 3m



Adaptor de
curent 220V



Cablu
de retea



IoT for Smart City

www.RoomAlert.ro

admin@RoomAlert.ro

004 0724 375 805

Atlas Systems

Bucuresti

Romania



Room Alert 12ER

Continut Pachet livrare



Server Room Alert 12ER



BONUS!
Senzor
de temperatura
si putere activa
cu
lungime cablu 3m



Adaptor de
curent 220V



Cablu
de retea



IoT for Smart City

www.RoomAlert.ro

admin@RoomAlert.ro

004 0724 375 805

Atlas Systems

Bucuresti

Romania



Avantaje ale unor solutii Room Alert

- ▶ Varietatea caracteristicilor de mediu care pot fi monitorizate de sistemele Room Alert:
 - ▶ Temperatura, Umiditate si Curent - Monitorizare;
 - ▶ Fum, 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 Device Manager.



IoT for Smart City

www.RoomAlert.ro

admin@RoomAlert.ro

004 0724 375 805

Atlas Systems

Bucuresti

Romania



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).



IoT for Smart City

www.RoomAlert.ro

admin@RoomAlert.ro

004 0724 375 805

Atlas Systems

Bucuresti

Romania



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).



IoT for Smart City

www.RoomAlert.ro

admin@RoomAlert.ro

004 0724 375 805

Atlas Systems

Bucuresti

Romania



Facilitati oferite de Atlas Systems

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



IoT for Smart City

www.RoomAlert.ro

admin@RoomAlert.ro

004 0724 375 805

Atlas Systems

Bucuresti

Romania



Premii internationale Room Alert 2017 - 2018



IoT for Smart City

www.RoomAlert.ro

admin@RoomAlert.ro

004 0724 375 805

Atlas Systems

Bucuresti

Romania



Premii internationale Room Alert 2019 - 2020



Best in Environment
Monitoring Solutions, 2020
Corporate Excellence
Awards 2020



IoT for Smart City

www.RoomAlert.ro

admin@RoomAlert.ro

004 0724 375 805

Atlas Systems

Bucuresti

Romania



Cienti Room Alert Internationali



IoT for Smart City

www.RoomAlert.ro

admin@RoomAlert.ro

004 0724 375 805

Atlas Systems

Bucuresti

Romania



Cienti Room Alert din Romania



IoT for Smart City

www.RoomAlert.ro

admin@RoomAlert.ro

004 0724 375 805

Atlas Systems

Bucuresti

Romania



Despre Atlas Systems

- ▶ Reseller autorizat Avtech Software - SUA;
- ▶ Capital integral romanesc;
- ▶ 15 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.



IoT for Smart City

www.RoomAlert.ro

admin@RoomAlert.ro

004 0724 375 805

Atlas Systems

Bucuresti

Romania



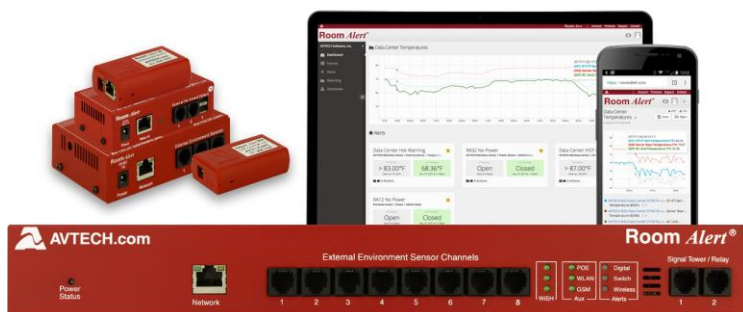
Contact

- ▶ Telefon: 004 0724 375 805;
- ▶ Email: admin@RoomAlert.ro;
- ▶ Site Web: www.RoomAlert.ro;
- ▶ Adresa: Str. Iovita, Nr. 11, Et. 2, C10, Sector 5, (cartier Panduri), Bucuresti, Romania, 050686.



IoT for Smart City
www.RoomAlert.ro
admin@RoomAlert.ro
004 0724 375 805
Atlas Systems
Bucuresti
Romania





Sfarsit

Va multumim pentru atentie!



IoT for Smart City

www.RoomAlert.ro

admin@RoomAlert.ro

004 0724 375 805

Atlas Systems

Bucuresti

Romania