EN54-21

100%
compliant

Made in
Italy

SOLUTION
FOR EN54-21 CERTIFIED SERVICES
Surveillance Institutes

urmet
ATE

Solution for EN54-21 certified services

Urmet Ate has developed a fire alarm system monitoring solution to suit all needs.
It consists of a **new, high-performance 4G Fire communicator** and a software receiver dedicated to the two-way management of products installed in the field. This solution allows both the customer's fire alarm system, with a dedicated and EN54-21 certified communicator, and the service provided by the surveillance institute using the **EN54-21** software receiver **connected to an EN 50518** alarm centralisation system, to be brought up to standard.

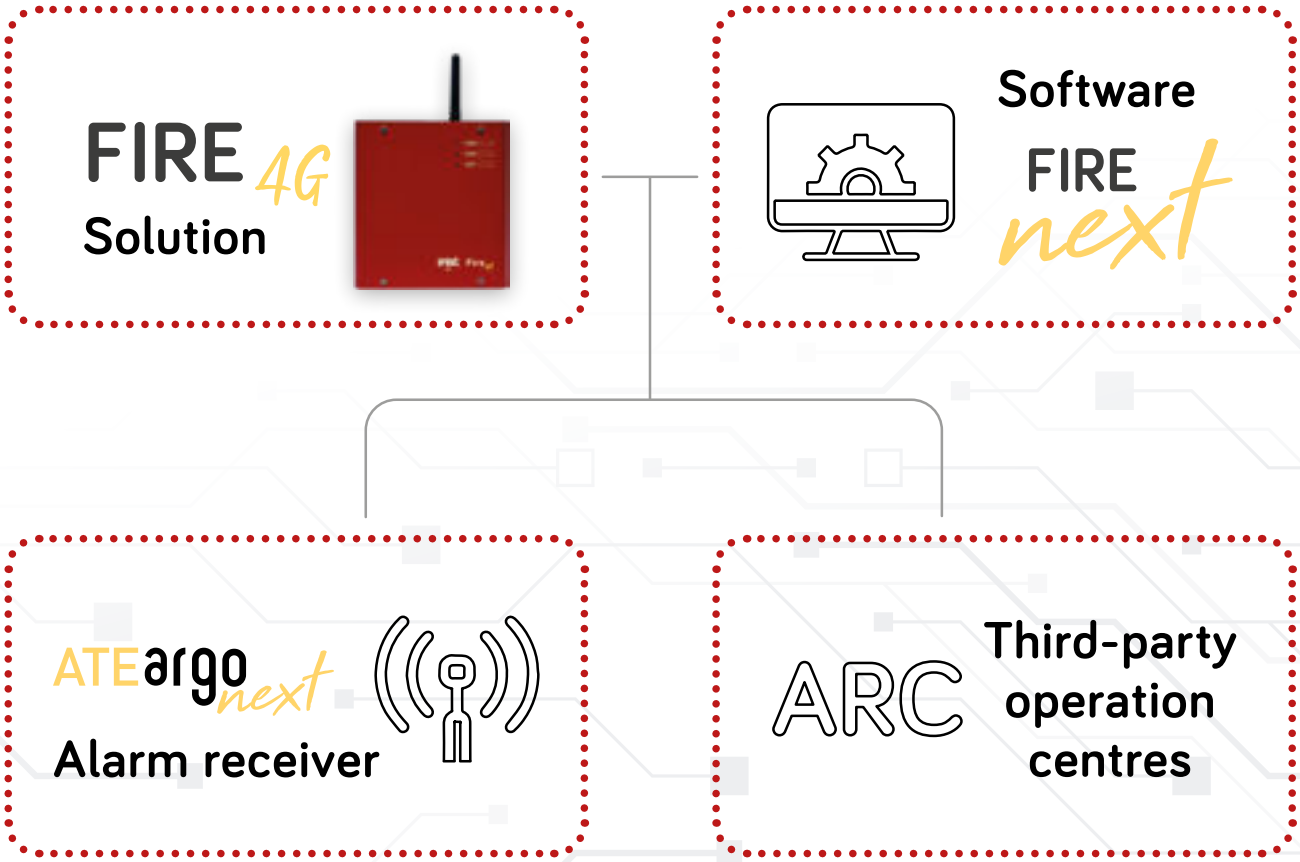
The 4G Fire communicator has the following features:

- **4 balanced inputs and 4 outputs**
- two-way **4G** communication link **+ ETHERNET**
- **metal box**
- **high-visibility LEDs** for system connection without the need for output wiring
- **simplified programming**
- **possible supply for totally plug&play installation**
- **dual power supply input (9-28V)** as required by the standard

It can communicate with all alarm reception centres, transmitting events:

- to an EN54-21 software receiver developed by Urmet Ate, which allows it to meet the highest standards of compatibility laid down by current regulations, easily integrated into existing management systems.
- to SIA IP receivers.

Operation



FIRE 4G / EN54-21 SOLUTION MULTI-CHANNEL

100% up to standard

The peripheral is not enough. Thanks to the proprietary two-way protocol and the Fire NEXT software receiver, all EN54-21 standard requirements in terms of performance and reporting are met. The system thus fulfils the terms of law by being able to provide a monitoring service that is up to standard.

4G Fire can manage the fallback connection on two networks by constantly monitoring the status of the connection and also managing the priority of the vectors.
To provide the surveillance service in accordance with EN54-21, the Fire NEXT software receiver has to be activated. This enables the two-way management of peripherals by monitoring communication status and operating parameters.

Additional features

The two inputs and two outputs that are not used for the connection of the fire alarm system can be read and controlled by the control centre, thus providing greater flexibility.

Advantages

- **100% compliant solution**
- **Integrated**
- **Made in Italy**
- **Multivector**
- **Compatible with all alarm management centres**
- **Easy installation** (compact size, LEDs requiring no outlet wiring)

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FIRE 4G

SELF-CONFIGURABLE

Made in Italy

> multivector
> multicontrol
> multifunctional

Features

Product code	> 3-PA143
Communication protocols	> Urmet ATE > SIA DC09 CID
Telephone module	> 4G LTE Cat.1 > Automatic fallback to 2G
Ethernet	> RJ-45 100Base-T
Connection strategy	> 2 centralised alarm delivery systems plus SMS text fallback
External LEDs	> Status/Alarm/Fault
Input	> 4 balanced inputs, 2 of which are free use
Output	> 4 electronic relay outputs of which 2 for free use
Functionality and management from ATEargo NEXT	> Remote programming and verification > Remote reading of peripheral status > Remote output activation > Black box management of events > Remote update from control unit > Plug&Play programming
Alarms	> Fire > System failure > Peripheral failure > Technological events
Checks	> Communication vector functionality > Self-diagnosis
Programming	> Through integrated Web, remotely, via plug&play
Power supply	> 9-28VDC / typical 150mA@12V - PSU 12V 1A required
Dimensions	> 180 x 283.2 x 45 mm
Operating temperature	> -20 °C +55 °C
Standards	> EN 54-21:2006 > EN 50130-4:2011 + A1:2014; > EN 61000-6-3 > EN 62311 > EN IEC 62368-1:2020 + A11:2020 > ETSI EN 301 489-1 > ETSI EN 301 489-52 > ETSI EN 301 489-17 > ETSI EN 300 328 > ETSI EN 301 511 > ETSI EN 301 908-1 > ETSI EN 301 908-13 > EN IEC 63000:2018

4G LTE Cat.1 Fallback to 2G

Ethernet

Multiple connection strategy

FIRE next

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