



SGSE

Soluciones Globales de Seguridad Electrónica



nedap

**CENTRALIZATION OF ACCESS TERMINALS
FOR BODY TEMPERATURE MEASUREMENT
AND MASK USE DETECTION INTO AEOS**

Controlling the spread of COVID-19 by measuring body temperature has favoured the massive deployment of access terminals to detect fever at the entrance to a number of companies in our country.

Since the start of the pandemic, SGSE (www.sgse.eu) has chosen for its precision for the OET-213H-BTS1 terminal from the manufacturer Uniview for access control by measuring body temperature through the wrist.

In the technical note below you can find more information about this terminal.



The need to centralize OET-213H-BTS1 terminals

When a company has terminals deployed at its headquarters in different geographical points or different units within the same location, it becomes necessary to centralize their management and collect all their information on a single platform.



This software platform is the AEOS open platform from the well known manufacturer Nedap.

Why large corporations choose NEDAP?

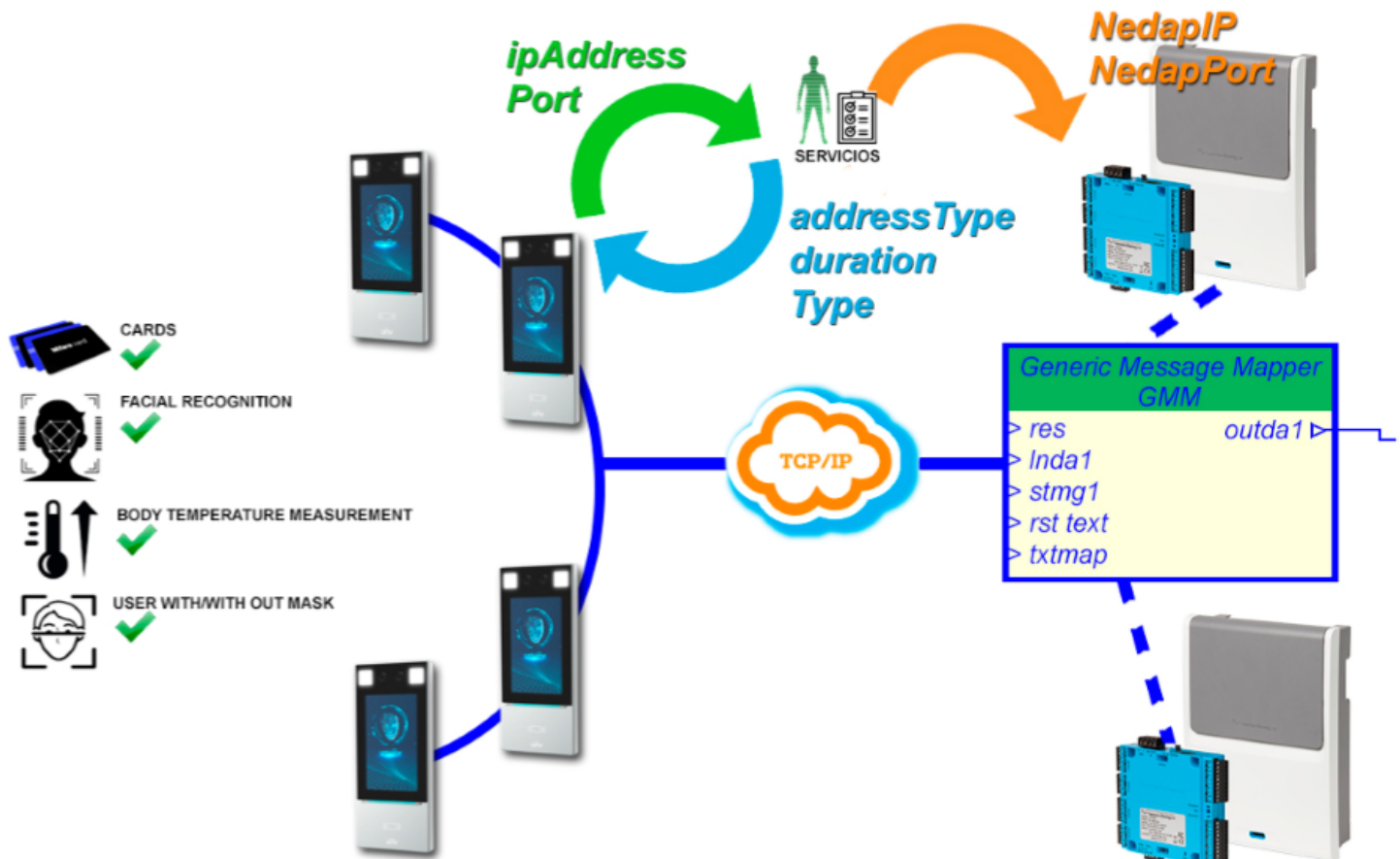
Nedap's reputation and success worldwide has been built over the years thanks to the perfect performance of its access control facilities in large corporations on all continents.

It addresses from the simplest proposal to the largest of the access control projects regardless of their size with Nedap to guarantee success.

Discover their commercial proposal in the following catalog.



Download the Nedap access control catalog



Architecture

We deploy Uniview OET-213H-BTS1 terminals and manage them over the IP network using the AEOS software platform according to the diagram shown below.

In this way, thanks to the integration developed by SGSE (www.sgse.eu), the OET-213H-BTS1 terminals work as IP reader-controllers within Nedap with access control through:

- Facial recognition
- Proximity
- Body temperature
- Mask use detection

It is possible to combine all of them within AEOS.

To implement the detailed architecture we need at least one AP-7803 controller in the installation to link the information on both the body temperature record and the use or not of the mask.

In the event that the control of users to access the site by any of the means indicated above or a combination of these is simply based on schedules and restriction of access to certain areas based on the profile of each of them, we do not need more AP-7803 controllers than mentioned above.

If, on the contrary, we want to configure or have the option to create complex rules to enable access based on permissions, documentation, combination with other elements or functions, etc., we will need an AP-7803 controller per terminal OET-213H -BTS1.



Architecture

You can centralize the registration and validation of body temperature within a previously defined range in AEOS to enable access once the user has presented their credential in the reader and it is valid for this area if we want to work under this combined operation.

The video below shows this operation.



Access not allowed due to high temperature

Within the operation of the facility we have the possible scenario to which the person trying to access some of the areas of the enclosure to which he is authorized and where the measurement of body temperature is now required.

As you can see in the video below, when taking the temperature and being above the threshold defined by the operator, an alarm will occur in the system blocking access and it will be registered in AEOS.



Reporting

One of the most interesting added value proposals of centralization through AEOS is to enjoy the power of your reports thanks to the free service AEOS REPORT SERVER included in the AEOS software platform, making it possible to create at no cost the number and variety of reports that you want.

These reports can be created directly by the installer or by SGSE as an additional part of the service to contract.

As an example, you can see in the image below the appearance of one of the reports created in AEOS.

Usuarios, Acciones y Temperaturas				
Parameters:				
Date from :	04-06-2020 00:00:00	Entrance :	'Acceso'	
Date to :	05-06-2020 00:00:00			
Date/Time	Entrance "Body Temp"	User	Acción	Temperatura
04-06-2020 14:50:46	Acceso	Hermosilla Ángela	Entrada Código Actuación	36.3
04-06-2020 16:24:32	Acceso	Hermosilla Ángela	Entrada Asuntos propios Código	36.6

Access not allowed due to high temperature

You can find below the quote, as an example, to centralize the management of a total of 4 OET-213H-BTS1 terminals in a company with 200 credentialed employees.



REFERENCE	QTY	DESCRIPTION
TEMPERATURE CONTROL EQUIPMENT		
OET-213H-BTS1	4	TEMPERATURE CONTROL AND FACIAL RECOGNITION TERMINAL
EP-S31-W-NB	4	ADJUSTABLE PEDESTAL 1158mm A 1420mm
FA-12V2A	4	POWER SUPPLY 12VDC 2 FOR THE TERMINAL
NEDAP AEOS		
8030000	1	ACCESS CONTROL BASE LICENSE AND VISITS MOD.
8030100	4	ONLINE DOOR
OET-AEOS	4	OET-213H-BTS1 INTEGRATION INTO AEOS
9982825	4	AEOS BLUE POWER SUPPLY 12V (AP7021)
8030020	200	IDENTIFIERS
AEOS IDENTIFIERS FOR TEMPERATURE		
8030020	20	AEOS IDENTIFIERS FOR TEMPERATURE CONTROL
AEOS IDENTIFIER FOR MASK DETECTION		
8030020	2	AEOS IDENTIFIERS FOR MASK DETECTION



Spanish version



English version

Thanks to the depth of the Nedap catalog you can extend the commercial proposal not only to centralize the management of the OET-213H-BTS1 terminals for access control under body temperature and the detection of mask use, but also to control access to other areas through any other technology available in AEOS.

We can combine these Uniview terminals, for example, with proximity INVEXS readers with and without keyboard as well as NVITE multi-technology readers.

A resulting display could be similar to the one shown in the following drawing:

