



For a safer world

Integrated public alerting system

SCALABLE MODULAR
STRUCTURE

WIDE RANGE
OF INTEGRATION

ENCRYPTED DATA
TRANSMISSION

AUTOMATED ONLINE
DIAGNOSTICS

HYBRID POWER SUPPLY

RANGE VISUALIZATION
ON MAP

AVAILABLE LANGUAGE
VERSIONS

digitex.pl

Integrated public alerting system

The digitex public notification and warning system was created for public administration, crisis management, fire services, military and industry.

It helps protect citizens, civilian employees and property from damage, through audio, text and visual messaging. It enables sirens to emit alarm signals, send messages via the GSM network and visualize on external LED displays in any area. It also supports Public Address systems in buildings.

Thanks to the system, public administration, crisis management, industrial plants and military units can build and operate modern siren and alarm control panel networks.

Integration and control

The system can be integrated with:

- client's heritage systems;
- third-party sensors (weather stations, gas, radioactivity, air quality or water sensors);
- LED displays and traffic lights;
- Public Address speaker systems;
- other devices (e.g. lighting, garage doors, etc.).

Hybrid power supply

The system uses power sources such as 230 V mains power, solar panels and batteries. Such solutions provide a reliable power supply, energy savings and thus reduce the carbon footprint.

Support is provided at every stage, from project development to system implementation and maintenance. Support and service requests can be submitted 24/7, which allows for easy reporting of potential issues.

Optimal adjustment to the specifics of each location is assured by conducting site visits where specialists analyze the place where the alarm system will be installed. This allows for a precise assessment of the conditions in which the system will operate.

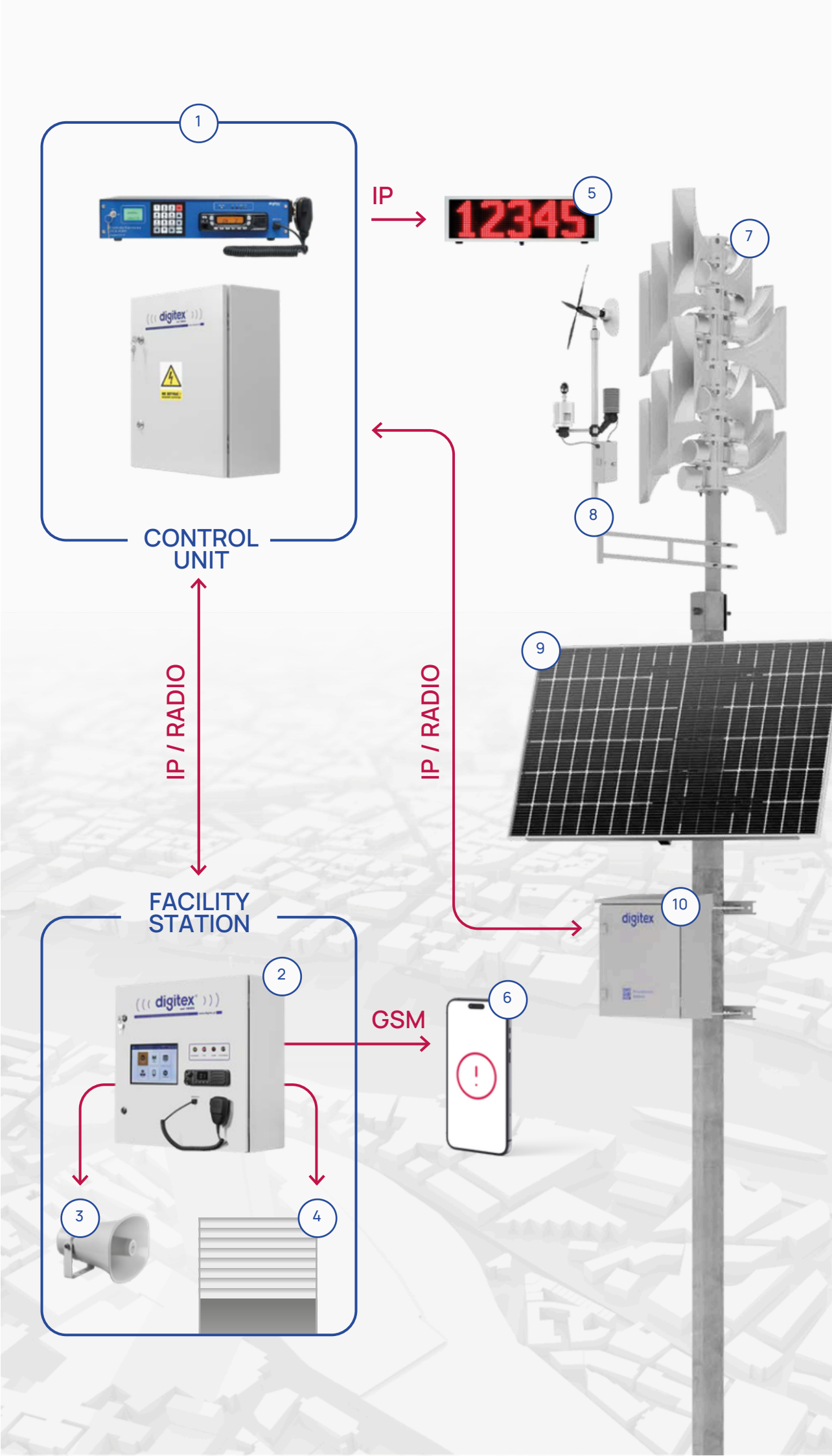
Additionally, there is the possibility of conducting siren tests with preliminary acoustic tests (SPL measurement and speech intelligibility).

Data security

Communication with sirens runs via encrypted digital channels (via radio links and/or IP network). Remote key exchange via asymmetric encryption implemented with the RSA algorithm is used for IP transmission. Data transmission security in the system is supplemented by standard VPN security.

Range visualization and analysis

digitex ARCHITECTsoftware (based on FEMA recommendations) is a tool for planning the deployment of emergency sirens. It allows for quick calculation of siren ranges and their visualization on a map, and also allows for the calculation of ranges in Excel.



1. ALARM CONTROL PANEL OR RADIO ACCESS POINT

- digitexWAVE software in client-server architecture;
- live voice announcements and playback of predefined messages selected from the list;
- ability to monitor the status of sirens and test them automatically or manually.

2. DIGITAL FACILITY STATION DSP-62C

- amplifier with a total power of 900 W;
- PC-550 siren control module;
- built-in 7" LCD screen with software;
- communication between DSP-62C and base station via digital radio channel.

3. INTERNAL PA SPEAKERS

- compatible with various PA speaker types.

4. AUTOMATION

- control of external devices (e.g. lighting, garage or entrance gate, burglar alarm, heating, pumps);
- the ability to set automatic sequences of actions (macros), where one event triggers another, which automates alarm management processes.

5. EXTERNAL LCD DISPLAY

- industrial information board;
- 230 V power supply;
- IP Ethernet communication;
- displaying any messages and information directly from the digitexWAVE software.

6. SMS NOTIFICATIONS

- efficient response to crisis situations thanks to messages saved in the system;
- predefinable recipient groups and message content;
- automatic generation of system status reports.

7. SLOTED OUTDOOR SPEAKERS

- power from 300 W to 3000 W;
- weatherproof aluminum alloy slotted speakers;
- possibility of installing collision lighting on top of the speaker assembly.

8. SENSORS

- weather stations, gas, radiation, air and water quality, water level.

9. PHOTOVOLTAIC PANEL

- power of at least 420 W.

10. SIREN CONTROL BLOCK

- emitting alarm signals or voice messages;
- predefined voice messages, from memory or live, local or remote;
- Text to Speech (TTS) function • compliant with FEMA recommendations.

Technical Data

Digital Facility Station DSP-62C

Control	digital radio, IP, GSM, LoRa
digitexWAVE compatibility	yes, digitexWAVE dispatch software, DPS-4000 PSP control panel
Connectivity	- radio: digital (DMR, MotoTRBO, TETRA); - IP: Internet, LAN, VPN, AES-128 Encryption, RSA; - built-in GSM modem, SMS, Flash SMS, calling.
Sound pressure level SPL	- bidirectional 180° - 109 dB(A)/30 m; - unidirectional 0° - 115 dB(A)/30 m.
Integrated Siren Power	600 W (expandable to 900 W)
Main power supply	~230 V/50 Hz (±10%)
Solar panels	54 V – maximum open circuit voltage; one PV panel can be connected.
Backup power	maintenance-free batteries: 2 x 12 V (50 Ah) AGM
Backup power operation time	at least 24 hours

Alarm Control Panel DCA-4000

Device versions	desktop/rack 19"/2U
Device control and monitoring	- sirens: analog and digital; - external devices: chemical sensors, weather stations, call/evacuation systems.
Communication with sirens	- radio (digital/analog); - IP (LAN/WAN/VPN).
Communication with external devices	- radio (NXDN/TDMA); - digital (LAN/WAN/VPN).
Mobile radio	built-in, analog - digital VHF/UHF, max. 25 W
Main power supply	230 V AC, 50 Hz (±10%) or 12 V DC
Backup power	external battery 12 V (50 Ah)
Dimensions and weight	88 x 430 x 350 mm, 9 kg



Digitex is a manufacturer of integrated public alerting systems. The company's product range includes alarm sirens, siren control units, radio access points and the digitexWAVE software for controlling digital public alerting systems.

The systems perform warning and notification functions in public administration, crisis management, civil defense and fire brigade units in over 20 countries. They also support the military and selected industrial plants from high-risk industries.

The company operates its own research and development department (R&D), which allows for full control over the hardware and software development process and integration with third-party devices. In this way, thanks to the technological advantage consistently developed over 30 years, the company has established its position as a leader in Poland and Central and Eastern Europe



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