

KOMCENTRA



**TRANSPORTABLE
OPERATIONS
CENTER**

www.komcentra.cz

The transportable operations center is a set of hardware and software components, consisting of autonomous server part and individual operator workstations. All built into several ruggedized transportation boxes, plus a mast with antenna system.

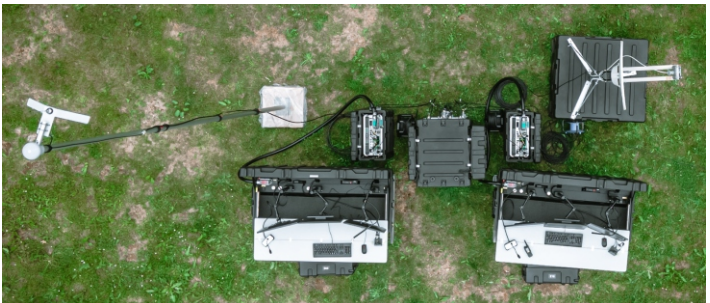


SETUP

All hardware of the transportable center is carefully designed to for easiest possible connection and setup. Maximum emphasis was paid to minimize individual cablings. The individual parts are interconnected via combined cable with unique connector. For transport and deployment, a crew of two men is required as a maximum.

RADIO COMMUNICATION

Apart from the radio terminals, a built-in antenna combiner with active signal gain and a cable of 100ft (30m) length supports the operation of the integrated radio system. The antenna system is variable (telescopic mast, magnetic antennas) so that it can be adapted at the site where operations center is deployed according to local conditions.



TELEPHONY

Stable and trouble-free communication of the integrated telephony subsystem is provided via VoIP switch, which together with the modem equipped with several GSM modules enables the communication of the operations center via VoIP and GSM networks.



DATA LINK

For communicating with other systems, regional integrated operation centers and the rest of the world, three independent ways of Internet connection and via encrypted VPN tunnel to the target Police/Mol network.

- LTE modem
- satellite set
- wired Ethernet link

SOFTWARE APPLICATIONS

An integrated voice communications system is a core of the transportable center, ensuring convenient and efficient control of all integrated communication means. Above that, any server-side software can be operated on the Windows Server platform, with respective client applications ran on workstation PCs of each operator workplace box.



CZECH POLICE DISTRIBUTION

For the Police of the Czech Republic, the system was equipped by appropriate services and client modules of JITKA command and control system, used nationwide and enabling smooth interoperability as follows.

OPERATION MODES

Transportable operation center can operate in one of three distinct modes, as required for particular deployment.

1. AUTONOMOUS MODE

The Transportable Operations Center acts as a field Operations Center using its own data resources, namely database, extending control of the Regional Integrated Operations Center of the Police of the Czech Republic, the Police Presidium or a nationwide competence Police unit (say, border Police). It is fully compatible as previously mentioned with the Regional OS and can control all assets in its area of competence via autonomous radio communications of the PEGAS project and the Police VoIP telephony system in order to manage the executive units of the Police. This mode is suitable for the management of police actions and security measures from field staffs or other suitable deployment spots.

2. EXTENSION MODE

If necessary, only operator workstations can extend any integrated operations center of the Police and use the operator's workplace(s) as client(s) of an existing Regional Operations Center, and thus expand the number of workplaces both for assets control and emergency line handling, as needed.

3. SUBSTITUTE MODE

In case of an unexpected event (natural disaster, epidemic) or planned event (reconstruction of a building, technology, etc.), when one of the integrated operational centers of the Police must shut down, it is possible to merge one or more Transportable operational centers into common functional system. In this mode, any integrated operations center can be substituted in its entirety, including the assets management, reception and handling of emergency line 158 calls.

TRANSPORTABLE OPERATIONS CENTER

COMPONENTS

SERVER PART

Back-end including application and communication equipment.

Technology boxes:

- BOX SERVER
- BOX RADIO
- BOX ANTENASS

Storage box:

- BOX SATELLITE ACCESSORIES
- BOX SERVER ACCESSORIES

Total power consumption of the server set is **500 W** max.

OPERATOR PART

Workplace(s), count may vary, two shown as a standard.

Technology boxes:

- BOX OPERATOR
- BOX OPERATOR WORKPLACE

Storage box:

- BOX OPERATOR ACCESSORIES

Total power consumption of each operator set is **150 W** max.

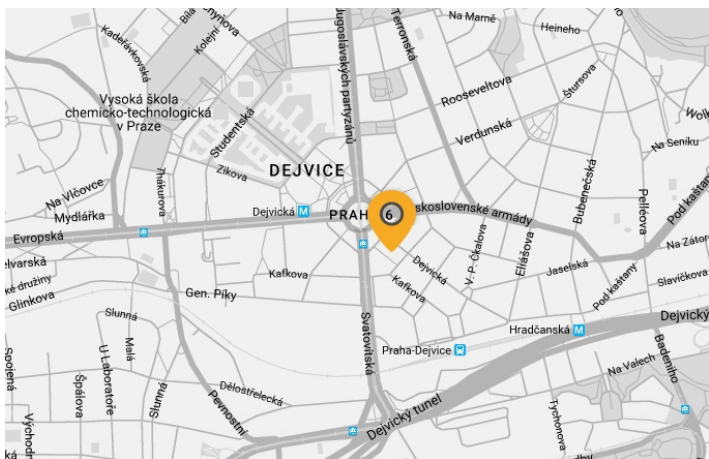
PARAMETRY BOXŮ

- MIL-STD-810 and MIL-STD-648C certification.
- Minimum connections, no way to cablings mismatch during rapid setup at the deployment site.
- Linear high-density polyethylene (LLDPE).
- Lifetime warranty for the boxes shells.
- Easy handling of transportation boxes.



KOMCENTRA

KOMCENTRA Ltd is a systems house founded 1991. Company activities are focused on own development of special hardware and software for realtime applications dedicated to public security.



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