TrafficSWing HAVIS-III

Information system for passengers

- **Audio-visual information system for passengers**
- **Software + Hardware**
- **Peripheral elements of different technologies**
- **Adapted for remote control of stops and central dispatcher's control**
- **Manual or automatic mode**
- **Flexible reaction to traffic irregularities**

GENERAL DESCRIPTION

TrafficSWing HAVIS-III (further HAVIS-III) is audio-visual information system for passengers operating on client-server principle.

HAVIS-III consists of server, communication modules and operator's workplace. The communication module software can be run on the same device as the server or on separate computer located in railway stations.

Communication modules are designed for communication with peripheral systems, especially public address system and information panels. Signal is transmitted from TCP/IP protocol to RS485, if needed.

BASIC TECHNICAL DESCRIPTION

Server provides main data processing and communication with modules. Information on traffic situation received from external systems (systems of Infrastructure Manager) or TrafficSWing GTN is transmitted to server. System database and application and web browsers are stored in the server.

HAVIS-III user interface:
- Operator – control through web browser
- Passengers – information on train departure/arrival in station (electronic panel EZOP-JR with full HD display protected by double safety glass, stainless steel box and equipped with multi-touch pad and pushbuttons)

- Passengers – information on train departure/arrival including actual delay (LED information panels GITA - RGB graphical solution for display of any text, symbols or video) located at platforms or traffic terminals (large screen information panels)
- Passengers – electronic speaker ERP (conversing the text displayed on information panel generated by the server to audio message) allowing blind people to play back actual information in audio way.
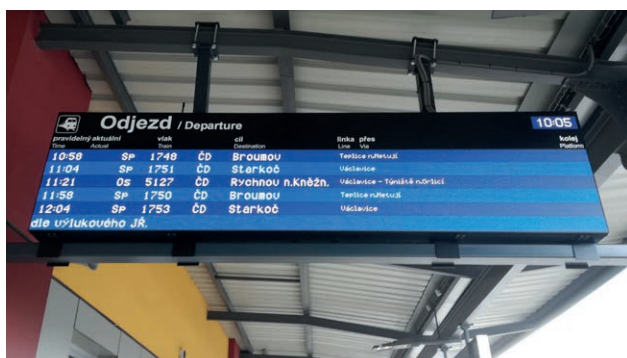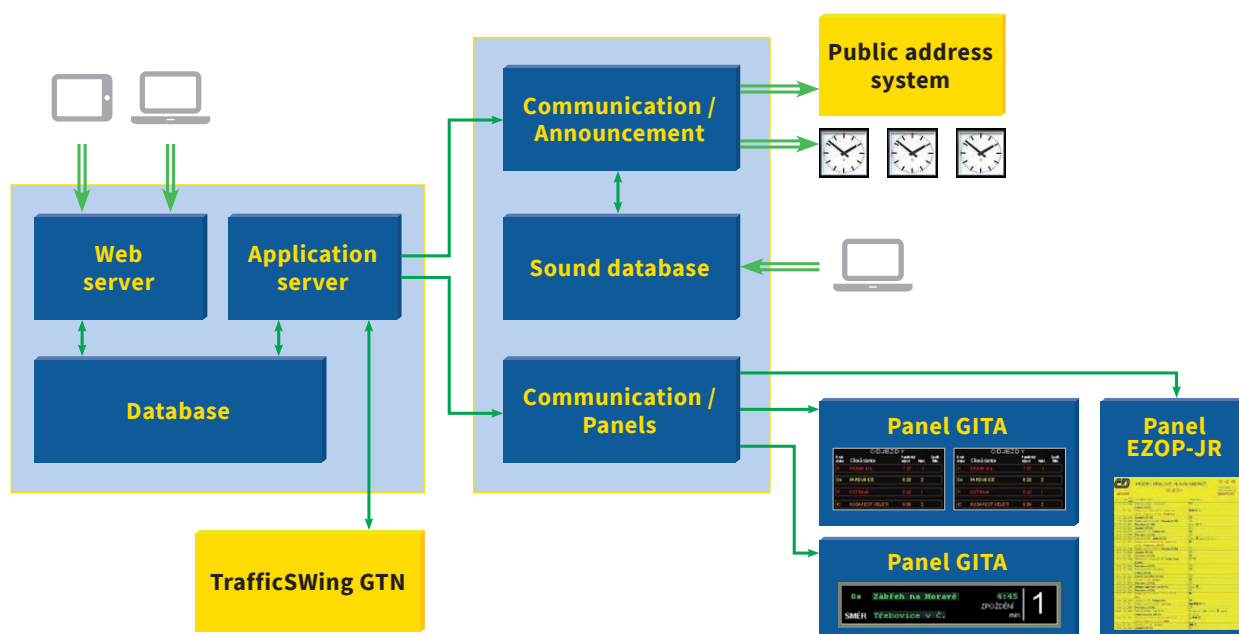
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BASIC TECHNICAL PARAMETERS

Supply voltage (Server)	100–240 V AC, 50–60 Hz
Input (Server)	600 W
Dimensions (EZOP-JR)	19" max. 4U
Supply voltage (EZOP-JR)	100–240 V AC, 50–60 Hz
Input (EZOP-JR)	300 W (700 W incl. air-condition)
Display resolution (EZOP-JR)	Full HD
Dimensions (EZOP-JR)	1752 × 1184 × 341 mm
Supply voltage (GITA)	1 × 230 V AC ± 10 %, 50–60 Hz
	3 × 400 V AC ± 10 %, 50–60 Hz
Input (GITA)	20 W + 55 W × number of LED modules