

KTPIS-Train Passenger Information System

Real-time Passenger information for Trains.



Real time schedule information for passengers is critical for any world-class rail network—whether metro, intercity, regional, or long distance carriers. **KTPIS provides passengers with information in real-time via a set of displays and audio announcements.** Our proven and reliable products and systems will satisfy all of your public information needs. Our products range from hardware to software, LED to LCD-TFT, from on-board to stationary, and from the concourse to the platform. . **It may include line maps, entertainment, advertisements, train current position, next station, line number, train destination, estimated departure time, estimated arrival time, connections, and information about disruptions.**

The display of information and synchronized audio announcements can be automated based on the train location (e.g. using GPS technology), for instance announcing the next station prior to arrival. Alternatively the change of information can be manually triggered by providing the train driver or train captain with an interactive TPIS interface where he can select the desired station or other message to announce. Similarly, the display of journey related information, safety and disruption announcements, advertisements, entertainment and any other kind of information can be rationalized by providing manual, semi-automatic or fully automatic control.

Salient Characteristics

- Client/Server architecture
- High availability redundancy
- Audio bandwidth: 20 Hz to 20 KHz
- Real time synchronized information display
- Digital audio over IP
- MMI: Graphic User Interface
- Option: Touch screen
- Status of all stations zones and devices on the GUI

Features

- Manual (Station or/ Operating Center) and automatic system management
- Recording and creation of updated announcement
- Asynchronous train control and schedule management per station or per platform
- Compatible with all technologies of display equipment (TFT, LED)
- Multilingual announcement
- High redundancy architecture

Benefits

- Audio and Visual message cycles/programs
- Live announcements or pre-recorded messages
- Studio messages including variable parameters
- Management of message priorities and queue messages
- System status displayed on real time
- Recording of all broadcasting events
- Storage of all announcements

On board passenger information Systems

LED destination board

With high definition characters, 120° horizontal visibility, and automatic brightness control, the LED displays are easily visible day and night and in many weather conditions. They are built to be both lightweight and inexpensive to maintain due to the elimination of moving parts and the long life of LED. The destination sign can be installed on the front, side or rear of the train. Both amber and color displays are available.

Interior LED display

The Interior LED Display provides on-board passengers information related to the next stop and the train's location along the route using both an audio voice announcement and an LED display. The display can show the next stop information in a double line format with the option for either amber colored text or red and green text to differentiate lines.

The audio system consists of a series of speakers both inside and outside the train with a volume adjustment depending on surrounding noise levels. The system keeps all riders including tourists and people unfamiliar with the route informed of the trains's position, improving service quality.

Display technologies

The modern TFT LCD, LED and LCD display technologies are specially designed for demanding environments. These displays are known for their strong quality, low energy Consumption, a long lifetime and service-free operation. We can offer you a range of ready-made solutions suitable for your specific needs still conforming to the railway standards. With our solutions you can enjoy a combination of ease of installation and open communication.

Stationary passenger information system

Arrival Departure LED display

The arrival and departure LED display shows summary train arrival and departure information on a large easily readable LED display. Compared with conventional electro-mechanical systems, our LED displays ensure maximum reliability and minimal maintenance. The information shown includes train origin/destination, arrival/departure time, track number, and additional lines for service messages. Select information can flash to attract attention. The LED display is programmed to update automatically, but can be manually updated in the event of a change. The LED displays can be built for varying information and size configurations like the number of lines and characters.

Platform Display

The platform display is a passenger information system that communicates train arrival or departure information throughout the station using a set of LED or LCD-TFT displays. Information displayed can include train origin/destination, arrival/departure times, and service advisories

The platform display is able to withstand typical railway environmental conditions, including extreme temperatures, weather, dust, and vandalism. The platform display can be mounted on a wall or ceiling and single or double sided for a wider visibility. We can help you find the appropriate passenger information display system depending your needs and requirements.

Customized to your needs

KTPIS can be adapted to match your needs. You can freely choose the number and specifications of screens and speaker, and technical specifications in general. Similarly, We can develop a tailor made Software applications and provide you with a turnkey system.

Comprehensive Project Support Services

- Technical feasibility study
- Time and cost estimation
- Pilot project execution
- Manufacturing and supply with accessories
- installation & Commissioning
- Configuration & Customization during incubation
- Training of Personnel
- Warranty Maintenance
- Post warranty annual maintenance(if required)

Contact Details



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