



IXARO Paging Systems

Variations and

Deployment scenarios





The flexible paging system for tailored, individual solutions

The components offered by IXARO-Solutions enable you to customize the paging system according to your individual needs and warehouse sizes. Below are some examples of how renowned customers utilize the IXARO paging system:

VARIANT ①

IXARO paging system standard version

The standard version of the IXARO paging system consists of the IXARO software, the IXARO transmitter, and pagers. It is license and fee-free and modularly expandable to almost all warehouse sizes.

The software is browser- and network-compatible and can be used from various end devices

(PC, tablet, smartphone). The transmitter is also network-compatible, made in Germany, and can be connected to the in-house inventory management system. For the pagers, we offer various models as well as industrial-grade smartphones that guide the driver directly to the loading station via a navigation app.



IXARO software is user-friendly and individually customizable, optionally with time slot booking



IXARO transmitter Made in Germany various variants with up to 3km range



IXARO pagers and/or industrial-grade IXARO outdoor mobile phone with navigation app

2

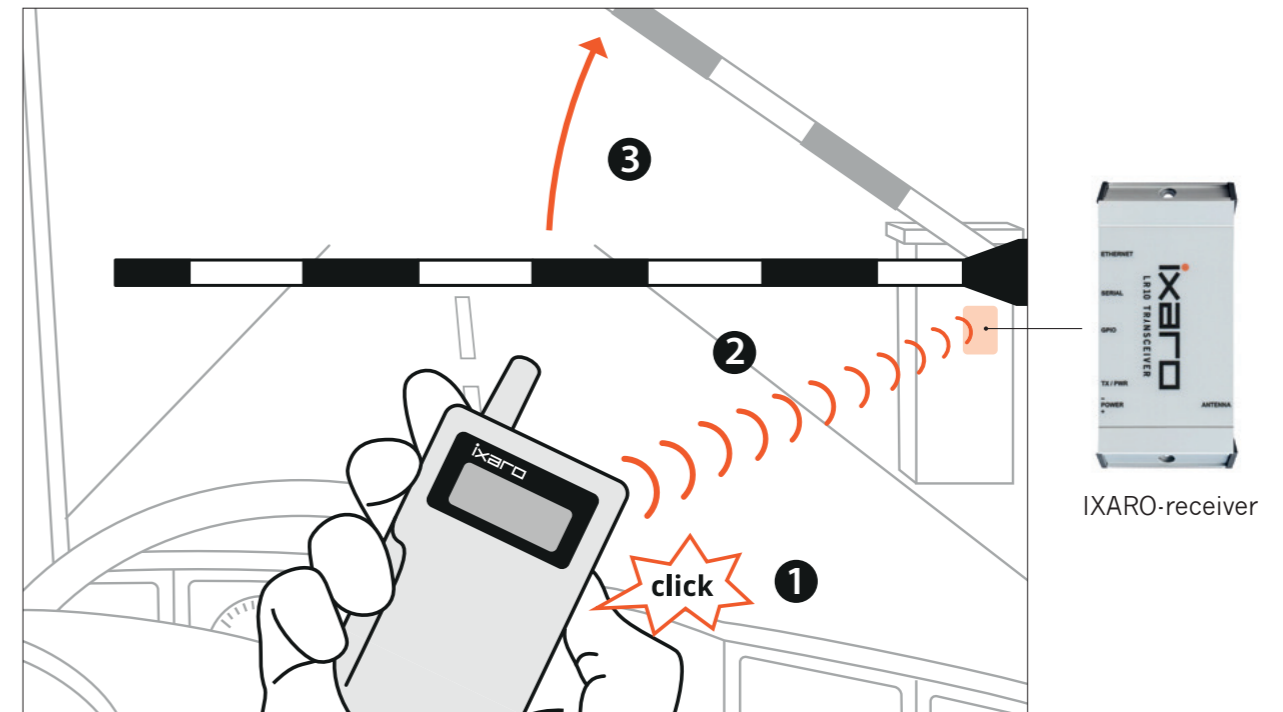
VARIANT ②

IXARO paging system with TWO-WAY pagers

In another variant, you utilize the IXARO paging system with bidirectional battery-operated pagers. The bidirectional version of the battery-operated pager (TWO-WAY pager) features an acknowledgment function (dispatcher sees when the sent message has been read) and enables the driver to open a access barrier with the pager. Included in the delivery of the paging system is a receiver for installation in the barrier. The truck driver can thus, from 8 meters before the barrier, press the pager button on the right-hand side to open the barrier independently. Only drivers who have received a message can open it.



IXARO-AK500 TWO-WAY-pager



Open barriers independently with a single click

3

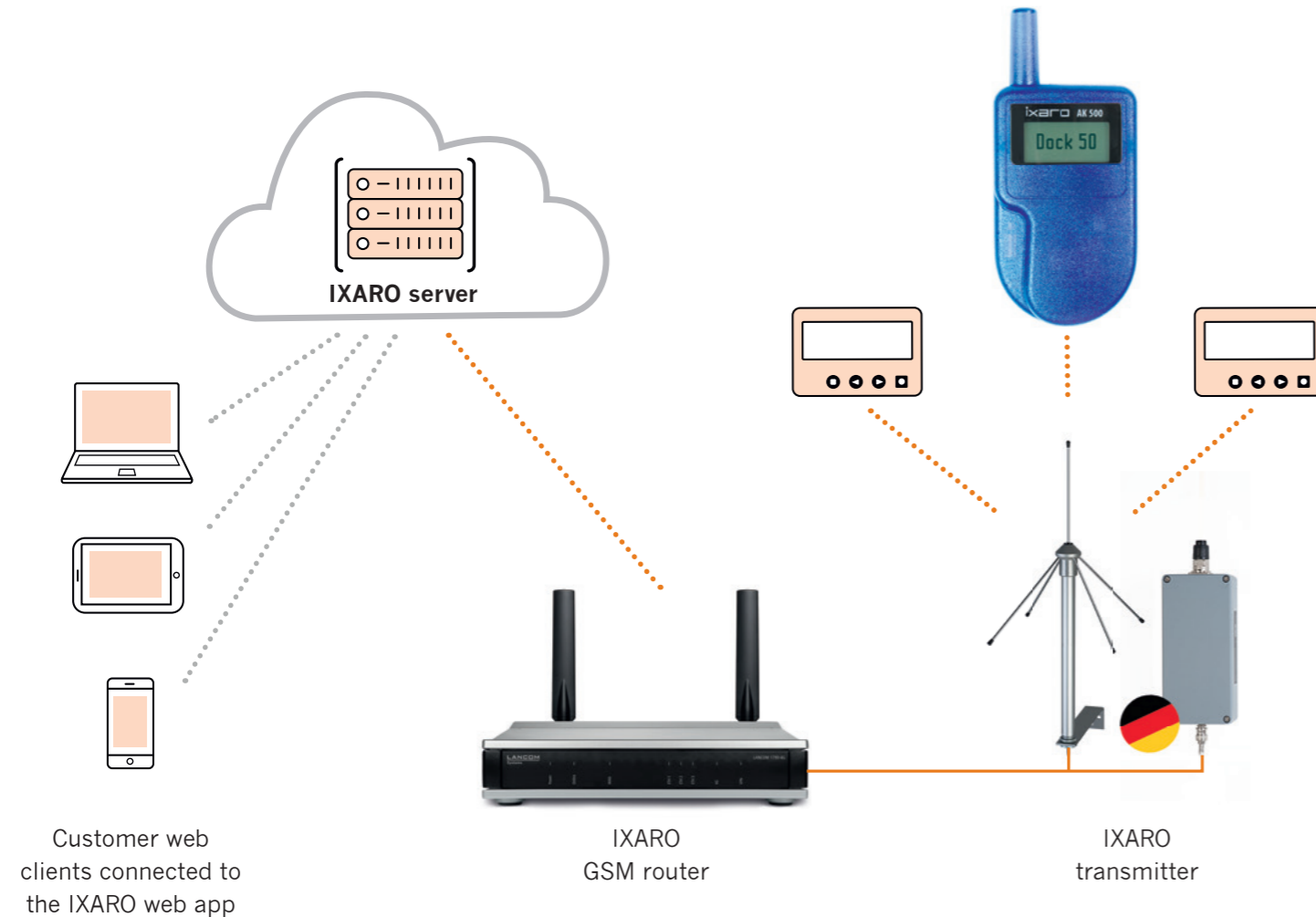
VARIANT ③

IXARO-GSM radio island against cyber attacks independent of the customer's network



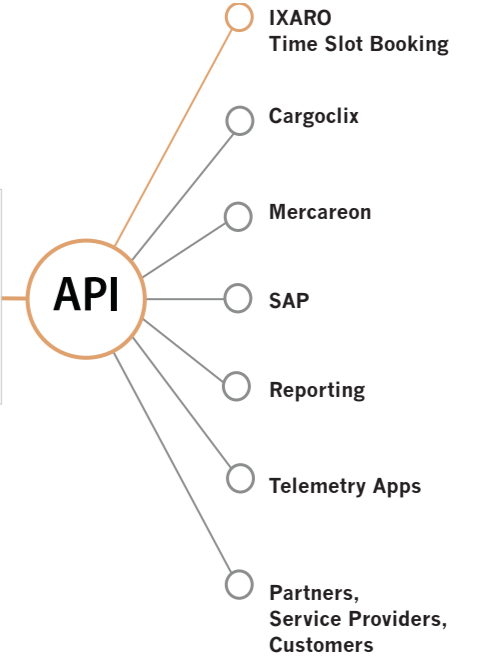
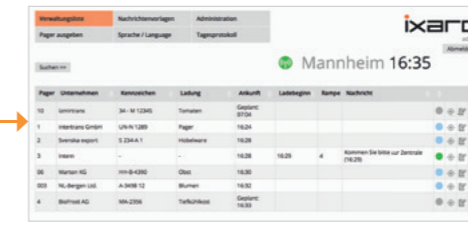
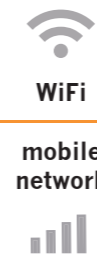
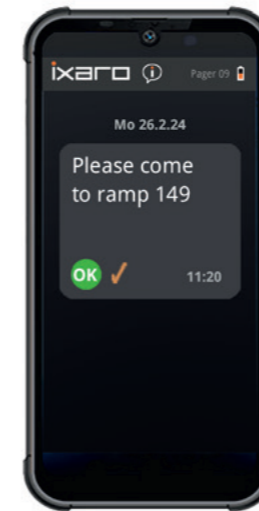
The GSM radio island is a self-contained paging system that operates completely independently of your company's network, thus providing no surface for cyber attacks on your corporate network. With this variant, no software installation is required in your company. The software runs on IXARO servers; you only receive the hardware, which is controlled via a GSM router.

With a link provided by us, you manage and coordinate your truck traffic via our web app without using your own network. From your end, you only need a Telekom SIM card for the GSM router with a public IP address.



VARIANTE ④

IXARO paging system with Robust outdoor phone, IXARO ePager App und WLAN connectivity



The robust outdoor phone with the IXARO ePager app and WLAN connectivity is specifically designed for use on company premises with WLAN coverage. It can alternatively be used with a SIM card via mobile network.

The IXARO web software serves as a central platform for managing all users and enables efficient control and monitoring of message exchange.

Our web software provides a comprehensive solution for managing and controlling messages and users in various operational environments. The flexible architecture and universal interface allow easy integration with other systems and offer maximum flexibility for future expansions and adaptations.

ePAGER-FEATURES

- **Bidirectional:** Effective communication through message reception and acknowledgment function. Optionally with chat function.
- **Online control via WLAN:** WLAN ensures easy and fast management.
- **Automatic switch to mobile data without WLAN:** without interruption of ongoing processes.
- **Location tracking on the company premises:** Accurate display of the IXARO ePager's position facilitates location tracking and monitoring.
- **Available in all languages:** The ePager app supports nearly all languages, thus eliminating communication problems (e.g., between dispatcher and truck driver).

VARIANT ⑤

Yard management with automated pager issuance

In this variant, the IXARO paging system is connected to an OAS (Output and Activation System) dispenser. The truck driver logs in at the OAS terminal and fills out a predefined form. After confirming the information, the dispenser issues a pager.



OAS output terminal



IXARO pager WE600 with RFID transponder

The truck driver takes the pager and waits for a message. Once the loading dock number is determined by the staff, the responsible employee sends a message to the pager. The truck driver reads the message and completes their task at the designated loading dock.

Upon leaving the premises, the driver returns the pager to a return dispenser. The pagers are later collected and returned to the dispenser for re-issuance.

The pager used in this process, IXARO WE600, is powered by AAA batteries and equipped with an RFID transponder. This allows the truck driver to independently open barriers by holding the pager near the designated RFID reader at the barrier.

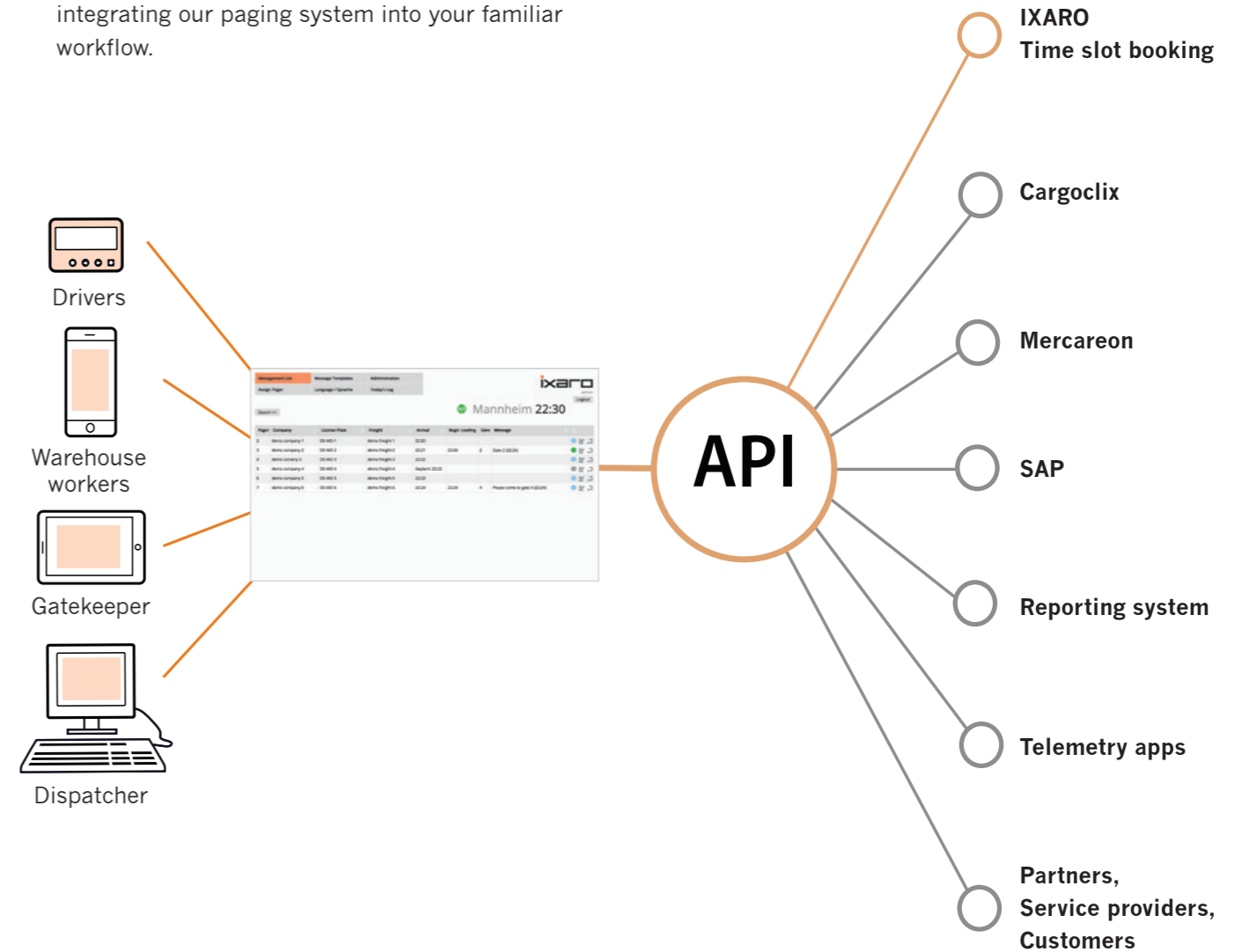
VARIANT ⑥

IXARO paging system with its own universal interface (REST API)



The IXARO paging system also features an optional interface (REST API), allowing our customers to integrate third-party additional programs with the IXARO paging system and communicate with it seamlessly.

This enables you to seamlessly integrate external additional programs such as SAP-EWM, Cargoclix, TRANSPOREON, Mercareon, Inform, and many others into our paging system, thus integrating our paging system into your familiar workflow.



VARIANT ⑦

IXARO paging system with time slot booking (Time Slot Management Terminal)

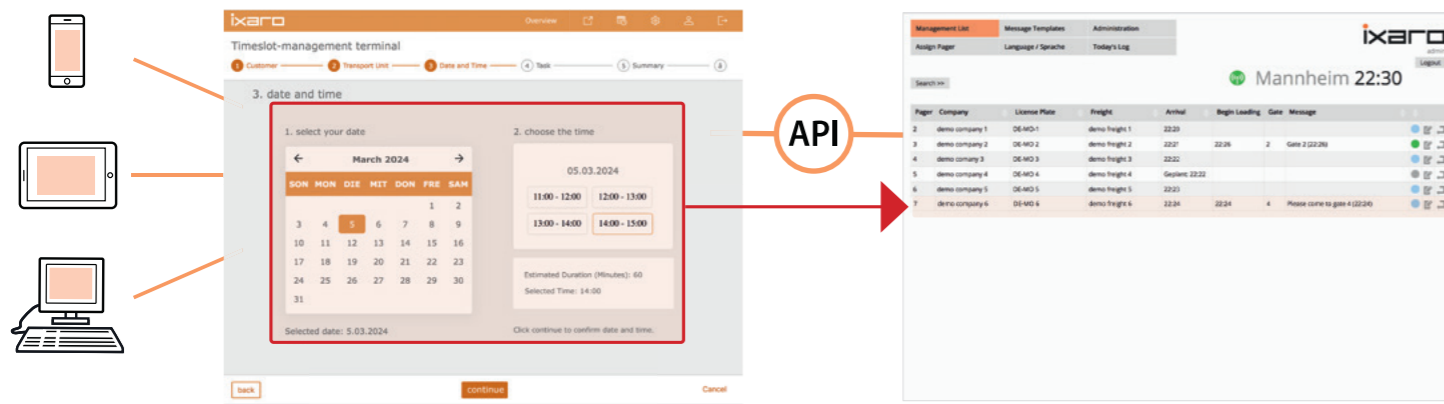
Optional, you can integrate our in-house developed time slot booking system seamlessly into the IXARO paging software ecosystem, which can be installed in just a few minutes.

You can acquire the time slot booking system for a one-time payment and book slots unlimitedly for free.

All freight forwarders receive a link from you to make bookings. You can set the bookable times as you wish. It is also possible to define individual loading zones with their own time slots. Once a freight forwarder makes a booking in the time slot booking system, it is automatically transferred to the pager software and becomes immediately visible.

See for yourself: In the following example, the IXARO paging system is used together with the IXARO time slot booking: <https://youtu.be/sQT-60NM7Fac>

You can find a demo of our pager software at the following link: <https://sandbox.ixaro.com>
 User: admin
 Password: ixaro

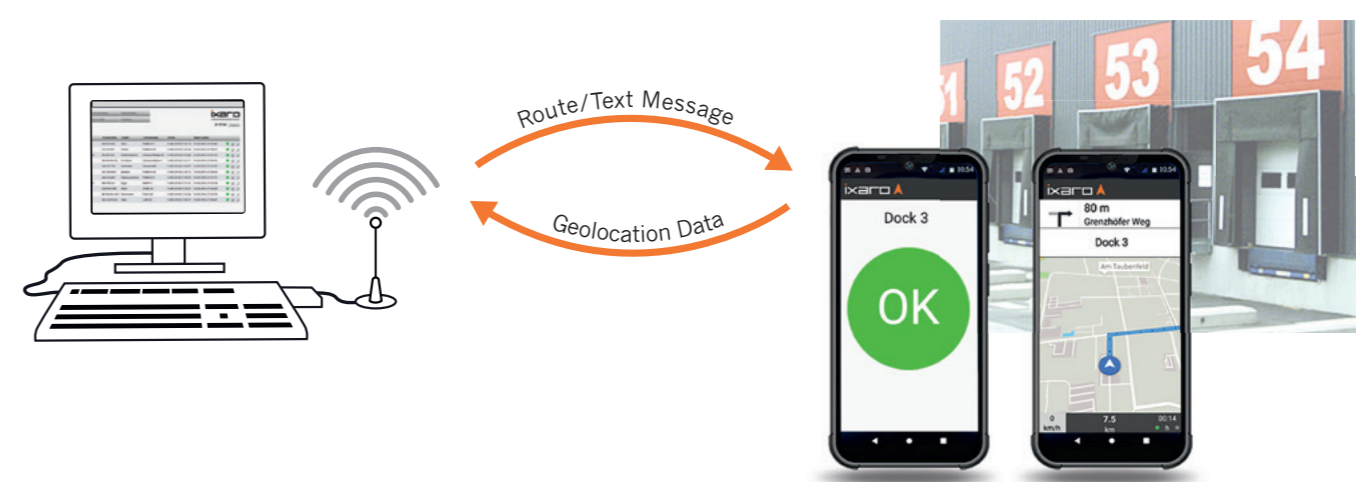


Freight forwarder | IXARO Time Slot Management with selectable language versions | IXARO-Pager-Software



VARIANT ⑧

With the IXARO paging system, to the loading dock at the push of a button



Another development within the IXARO paging system is based on an industrial-grade smartphone provided to the driver upon arrival at the premises.

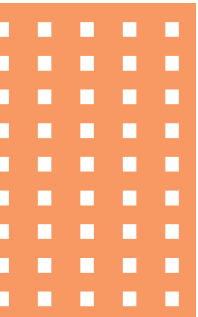
The mobile device comes with a pre-configured navigation app that reliably guides the driver to the destination address in 15 selectable languages.

With this variant, the dispatch office can send routes or text messages to the truck driver. Additionally, the mobile phone also functions as a pager. If the company premises are equipped with WLAN, the system can be operated online (via the Internet) without the need for SIM

cards. Furthermore, the system can be fully hosted at IXARO. You will simply receive a link to manage the devices.

- Industrial-grade smartphone with IXARO navigation app
- Communication via SMS
- Reliable navigation to the loading dock in the driver's native language
- Alarm function in case of deviation from the prescribed route

All variants can be used as standalone systems or in combination with each other. If you have any questions regarding your individual requirements, an IXARO consultant is available to assist you.



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