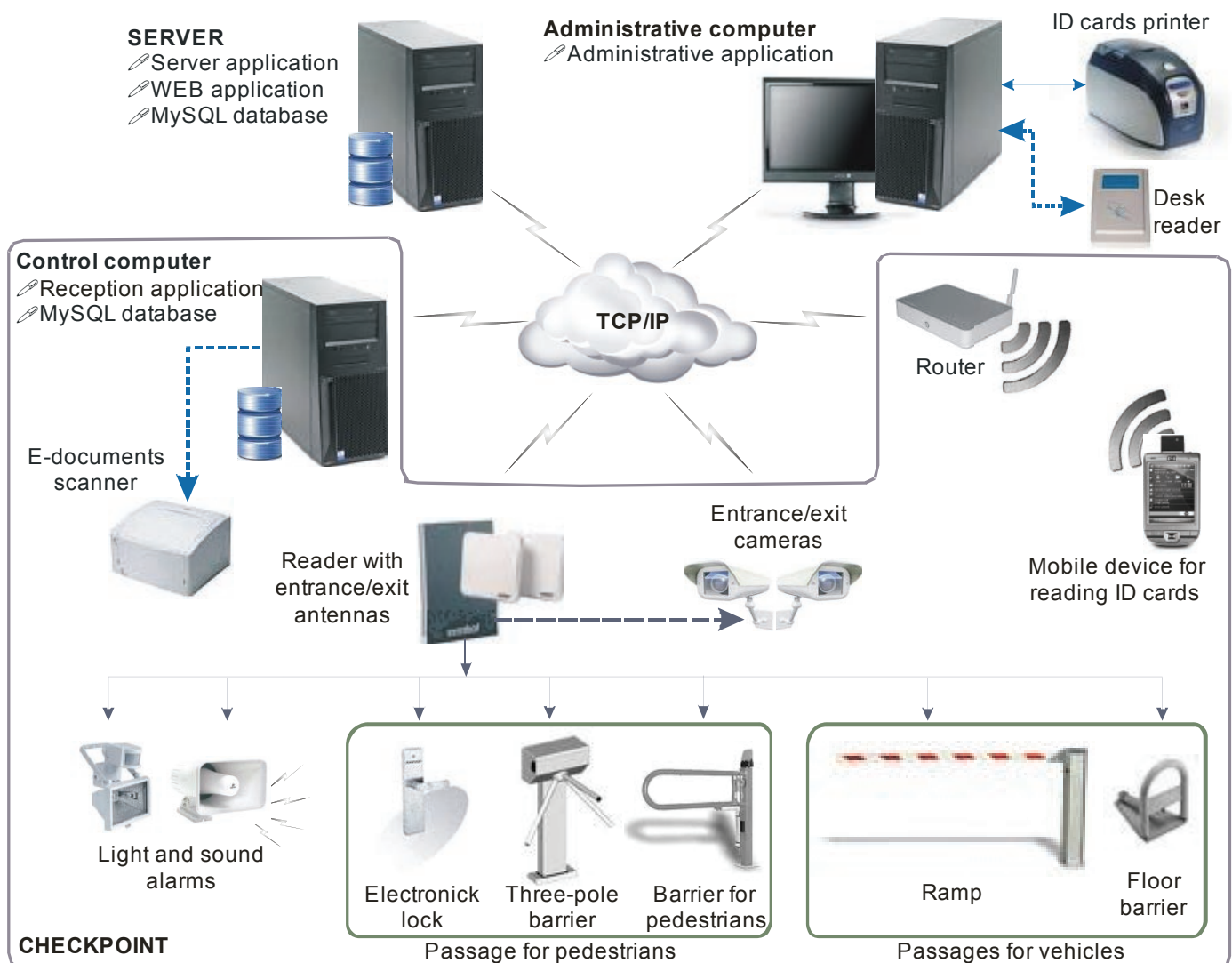


PACS

Pupin Access Control System

Pupin Access Control System is based on the use of contactless RFID cards. Every employee possesses the identification card which he/she brings closer to the antenna (at the entrance or exit) while entering/exiting the company's area. In that way, the time of entering/exiting is recorded. Data of these events are stored in databases and a user, permanently or periodically, can receive different reports about the current presence of some employees, or he/she can receive individual and collective records about the working time.

The system can be connected with the program package for the calculation of personal income in that way that the time or presence at work is taken as an entry parameter for the calculation of personal income. The system can be easily updated – by implementing the elements for camera management, light and sound alarms, electric locks, three-pole barriers and/or electromechanical ramps, options for control of entering certain rooms or parking lots, garages etc.



The system's components

Hardware:

- Terminal (ITGsr-0x) with antennas
- Cameras, electric locks, barriers for pedestrians, ramps (optional),
- Control computer (at the reception, optional),
- Contactless ID cards based on the MIFARE technology,
- Device for manual reading of ID cards, scanner of e-documents, printer of ID cards (optional),
- Desktop terminal,
- Server computer.

Software:

Reception application

- Online monitoring of passing by of employees and company's cars
- Review of the current presence of employees and visitors
- Issuing of temporary cards to the visitors
- Work with a card reader of ID cards (manual mode)
- Reading data from the terminal
- Scanning e-documents
- Monitoring of passing-bys by IP cameras
- Management of electric locks, ramps, barriers...

Server application

- Data collection from the computer at the entering points and from the remote terminals
- Calculation of the employee record according to the rules which are defined by the user – presence at work, coming late at work, breaks, overtime work, absence from work
- Calculation of data for reports at the user's request
- Sending messages on e-mail of the authorized person

Administrative application

- Updating system parameters
- Updating data about employees
- Printing ID cards according to the design of users (thermal printer)
- Review of chronological files
- Test access to databases



References

Companies	Terminal no.	Number of employees
Institute "Mihailo Pupin"	4	800
TE "Nikola Tesla" Obrenovac	15	6500
Public Transport Company „Belgrade“	26	7000
HPP „Drinsko-Limske“	11	800
Airport "Nikola Tesla"	3	800
Electrodistribution Kraljevo	2	300
Electrodistribution Trstenik	1	300
ABS Holding	2	200
ELKOK Kosjerić	3	200
Institute "VINČA"	2	1200

www.pupin.rs