

DAS Barcode Access

ACCESS CONTROL WITH BARCODES ON DISPOSABLE TICKETS



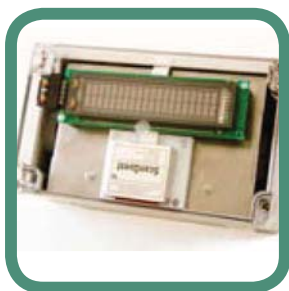
BARCODE PRINTER



NO SOFTWARE NEEDED



TIME - LIMITED ACCESS RIGHTS



BARCODE READER

Key features and advantages

BARCODE ON DISPOSABLE TICKETS	
Negligible cost - no need for recovery tickets	→ Ideal for management of visitors
Resistant	→ Tickets will still work even when folded, crumpled or wet
Intuitive use - no digicode to read or type	→ Guarantee for an optimal drive out flow Ideal for elderly or handicapped persons

STANDALONE SYSTEM – ALGORITHM-BASED	
No communication reader >> printer	→ High reliability, no dependance on IT - infrastructure
No network wiring	→ Fast & relative cheap installation → No impact on the car park infrastructure
Time - limited access rights encoded in the barcodes	→ Access to car park limited in time → Ban car park abuse

DEPLOYMENT WITH BARCODE COMMAND TICKETS	
No configuration software necessary	→ Immediately operational → No software licences to pay, no recurrent costs
Unlimited number of readers & printers	→ Multi-site & multi-company configurations are easy → Easily extendable
Modular	→ Predictable extensions cost

SEVERAL WAYS TO GENERATE BACODES	
Virtual printer: Generate barcodes via PC	→ E-mail the barcode ticket to the visitor → Manage visitor entrance without human intervention
Print the barcodes using your own printer	→ No purchase of additional printer
Desktop printer: Power on and start to print!	→ No purchase of additional printer
Kiosk printer: visitors must take a ticket before the gate barrier opens	→ Allow a free parking period and ban car park abuse → Manage unplanned visitors without human intervention
POS integration via SDK: print the barcodes on store receipts	→ Car park users must visit the store before leaving

Use cases & configurations

Most of these configurations allow management of temporary and regular users with the same DAS installation. As DAS barcodes can be generated with an unlimited validity, we advise the use of our preprinted plastic cards for the regular users. Integration of the reader of an existing access control system is also an option.

FREE ENTRY – CONTROLLED EXIT

Configuration 1: Control car park without wiring

Components:

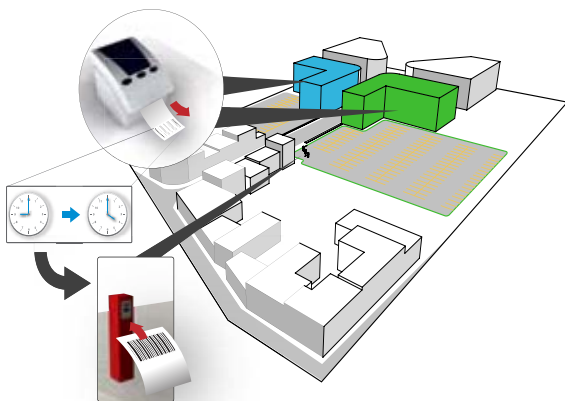
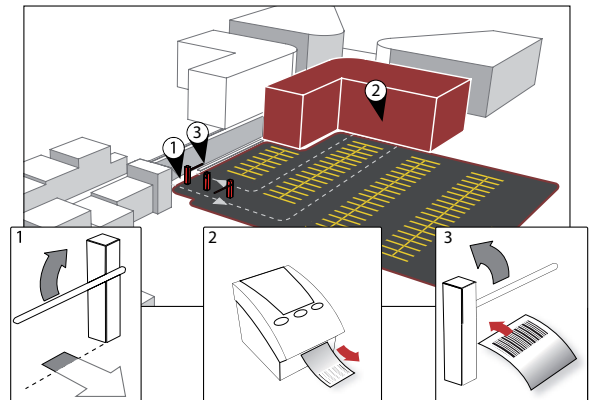
- Entry: car park barrier opening on presence detection
- Desktop or virtual printer
- Exit: barcode reader

Description:

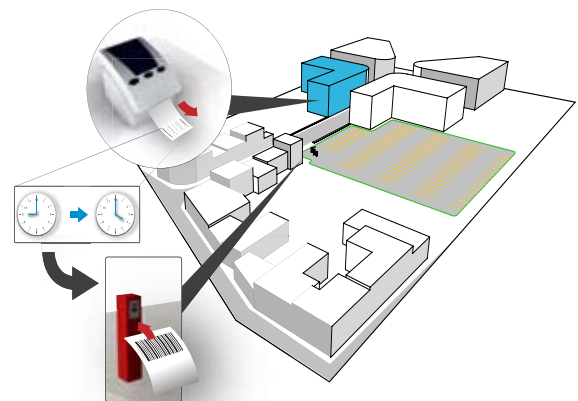
- Leaving only possible with a valid ticket

Target:

- Banks, petrol stations, sport & cultural centers, company offices,...



Alternative 1: Shared car park (Multi company)



Alternative 2: Multi-site (car park at the other side of the road)

Configuration 2: POS integration

Components:

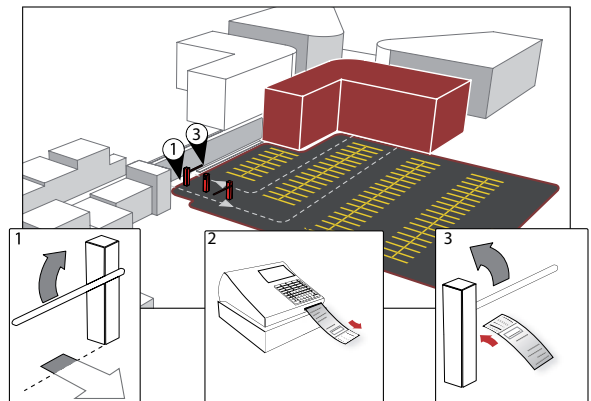
- Entry: car park barrier opening on presence detection
- Barcode printing: POS integration via SDK
- Exit: barcode reader

Description:

- Leaving only possible with a valid ticket

Target:

- Supermarkets, shopping centers



Alternative: How to penalize long-term car park use?

A kiosk printer at the car park's entrance generates tickets with date and hour of arrival, an EAN code (compatible with the POS system) and textlines mentioning a free parking period. The cashier checks the entry data on the ticket. When the free parking period is exceeded, she scans the EAN code adding a predefined amount to the total. The POS system then prints a DAS barcode with a predefined validity at the bottom of the receipt.

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CONTROLLED ENTRY – CONTROLLED EXIT

Configuration 1: Allow a free parking period (without human intervention)

Components:

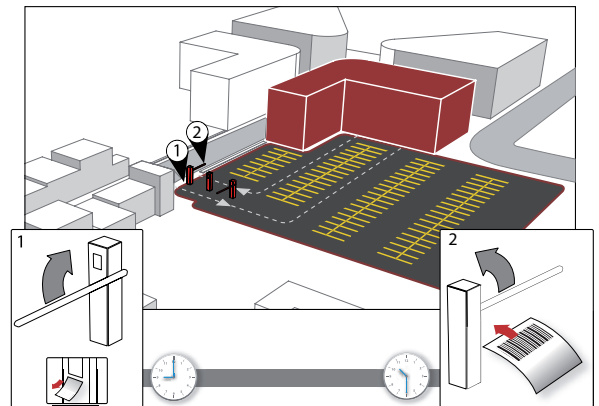
- Entry: kiosk printer
- Reception: desktop or virtual printer
- Exit: barcode scanner

Description:

- Take a ticket before passing the car park barrier (default validity = 1,5h)
- Exit automatically granted during the validity period
- Take an exit ticket when validity period of entry ticket exceeded

Target:

- Sites where time-limited free parking is allowed. Shops, supermarkets,...



Configuration 2: Automate the access of planned visitors (without human intervention)

Components:

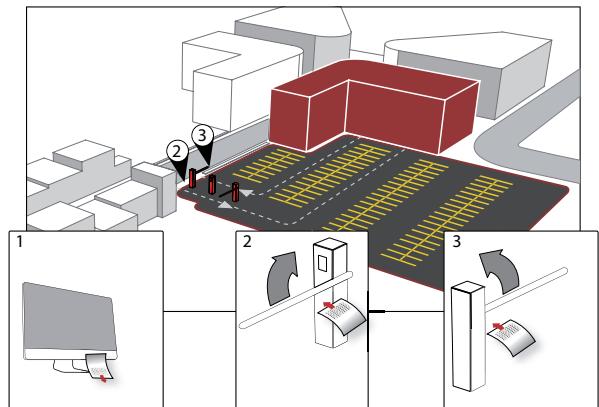
- Entry: barcode reader
- Reception: desktop or virtual printer
- Exit: barcode scanner

Description:

- Visitors present the barcode they received by e-mail
- At the exit, visitors use the same ticket or one printed on demand at the reception desk

Target:

- Companies & office buildings willing to automate the access of planned visitors

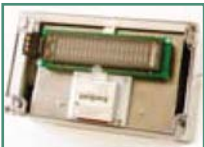


CONFIGURATION SCHEME

	<p>Controlled entry?</p> <pre> graph TD CE[Controlled entry?] -- No --> CPB[Car park barrier opening on presence detection] CE -- Yes --> V[Visitors?] V -- Yes --> PV[Planned visitors?] PV -- Yes --> BR1[Barcode reader] PV -- No --> KP1[Kiosk printer] PV -- Both --> BRKP[Barcode reader + Kiosk printer] V -- No --> PU[Permanent users?] PU --> BR2[Barcode reader] PU --> PC[Proximity-cards] </pre>					<p>Controlled exit?</p> <pre> graph TD CE2[Controlled exit?] -- Yes --> V2[Visitors?] V2 -- Yes --> BR3[Barcode reader] V2 -- No --> BR4[Barcode reader] V2 --> PC2[Proximity-cards] </pre>			
Components in the column	X	Barcode reader	Kiosk printer	Barcode reader + Kiosk printer	Barcode reader	BFT access control solution	Barcode reader	Barcode reader	BFT access control solution
Entrance ticket generation	X	Virtual printer	Kiosk printer	Virtual printer + Kiosk printer	Desktop printer or Virtual printer	X	X	X	X
Exit ticket generation	X	X	X	X	X	X	Desktop printer or Virtual printer	Desktop printer or Virtual printer	X

COMPONENTS

CONTROL UNIT



BCU2
Standalone control unit for one access. Integrated barcode reader and VFD, interprets the tickets without communication with printers or network.



BCU2 +
In addition to the basic version: inputs & outputs to manage two accesses, compatible with barcode tickets generated by virtual printers, an additional serial port allows connection with a kiosk printer [BCP-K01].



PCU2
When a scan reader is not required, use the PCU2 to connect a kiosk printer.

PRINTERS



BCP-DT2
The desktop barcode printer for thermal paper.



BCP-K01
Kiosk printer for outside use. The BCP-K01 is integrated in a car park column, connected to a BCU+ or a PCU, generates by default barcodes with a 1.5h validity.



BCP-V01
The virtual printer is a windows application. It allows you to print the DAS barcode on your own printer or e-mail the barcode to the visitor.



SDK-001
The SDK interface tool allows POS systems to print the DAS barcodes on store receipts. Please contact your DAS supplier in order to check compatibility.

SOFTWARE



CONFIGURATION SOFTWARE
The optional DAS Configuration Software is used for customization of tickets with logos and text, configuration of the BCP-DT1 buttons, etc...