Wireless Network Based Door Security Project
by
C4 Corp.

Kerim Şahin
Mustafa Bilal Demirkan
Okan Bozkurt
Özkan Kılıç
Outline

- General definition of the project
- Introduction to our project
- Our solution
- Our differences
- Where we are
- Conclusion
What is wireless door security project?

A card based security system, combination of

- Hardware
- Software
- Wireless communication
What is wireless door security project?

Hardware Specification:
- VIA ITX Main Board
- Power supply for Main Board
- 128MB-memory
- 128MB-Disk space
- Wi-Fi Ethernet Card
- 1 or 2 Wiegand Proximity Readers
- Door Status Sensor
- Lock
- Extra hardware as controller interface
What is wireless door security project?

Software:
- Main board program
- Administrator program
What is wireless door security project?

Wireless Communication:
- between master computer and main boards.
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Two wireless solutions
Introduction

Solution 1: (Traditional Approach)

Bilo Solution
Introduction

Advantage 1 of Solution 1:

- Interactive
- & User Friendly
Introduction

Advantage 2 of Solution 1:

- Cost Effective
  (min. wage
  max. performance)
Introduction

Advantage 3 of Solution 1:

- No failure in case of electricity cut
Introduction

Advantage 4 of Solution 1:

- Emergency case support
Introduction

Disadvantage 1 of Solution 1:

- Available 7/24 but with side effects
Introduction

Disadvantages 2 and 3 of Solution 1:

- Limited Capacity
- Unexpected Resignation
Outline

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Our Solution

Solution 2: (Modern Approach)

C4 Corp.’s Solution
What is our solution?

- Our solution is
What is our solution?
What is our solution?
What is our solution?

- Our administrator program.
Outline

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Our Design and Differences

- Features of administrator program:
  - Web-based
  - Scheduling
  - Real-time monitoring
- Single control card
- Not affected by wireless connection loss
- Not affected by electricity cut
- Extra capalities
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Where we are:

- **Finished tasks:**
  - Requirement analysis and system specifications
  - Initial design of the C4 control card and admin program

- **Ongoing tasks:**
  - Detailed design of our solution
  - Prototype of our solution
Outline

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✓ Our solution
✓ Our differences
✓ Where we are

• Conclusion
Questions

You have listened to

C4 Corp.

And after the questions, You will listen to others...

- CoreDump
- OneTouch Solutions
- softA
- TROY