

Affordable & Stability

IP Based RFID/PIN

Time & Attendance / Access Controller



- Standalone Operation without PC / Server Connection
- 125KHz IDTECK Secure & Credential Format
- Operation Mode Selectable according to User Environment
- Anti-Passback Function
- Communication : TCP/IP, RS485, RS422, RS232
- User / Event Buffers Up to 50,000 Users / Up to 50,000 Events



505RT

505R



RFID Reader
& Card



Access
Controller

IDTECK
Your Security Partner
SINCE 1989

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505RT / 505R



Key Features

- Professional Time & Attendance / Access Controller
- 125KHz IDTECK Secure & Credential Format
- Standalone Device with Internally Embedded Controller
- Standalone Operation without PC/Server Connection
- 4 Function Keys for Time & Attendance Applications
- Communication
 - 505RT : TCP/IP, RS422,RS485,RS232
 - 505R : RS422,RS485,RS232
- User / Event Buffers Up to 50,000 Users / Up to 50,000 Events
- Automatic System Reset via Self-Diagnosis (Watchdog Function)
- Anti-Passback Function
- Duress Mode
- Alerts when Door Opening Time Exceeds and Forced Door Open
- Tamper Switch (2EA)
- Time Schedule Setting
- 3-State Supervised Input (On/Off/Cut)
- Designed to Withstand ESD (Electro Static Discharge) Shock
- Output Format : 505R Series may function as a Standalone Controller as well as a Reader
 - 505RT / 505R : 26 Bit Wiegand
- Operation Mode : RFID(PIN), RFID(PIN)+Password
- Compatible Software : IDTECK STANDARD Series, TIME PRO, TIME BASIC

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505RT / 505R



Specifications

| Model | 505RT | | 505R | |
|-----------------------------------|--|--|---------------------------------|--|
| CPU | 32 Bit ARM9 and Dual 8 Bit Microprocessor | | | |
| Memory | Program | 128K Byte Flash Memory | | |
| | Data | 1M Byte Flash Memory | | |
| ID User | Up to 50,000 Users | | | |
| Event Buffer | Up to 50,000 Events | | | |
| Radio Frequency (RF) | 125KHz IDTECK Secure & Credential Fomat | | | |
| Read Range (Compatible Card Type) | IDC80/IDC170: Up to 4 Inch (10cm) | IDK50 / IDW50 : Up to 2 Inch (5cm) | | |
| Reading Time (Card) | 30ms | | | |
| Power / Current | DC 12V / Max. 300mA | | | |
| External Reader Port | 1 EA : 26bit Wiegand (for Anti-Passback) 4/8bit Burst for PIN | | | |
| Communication | TCP/IP, RS485, RS422, RS232 (Max. 32ch) | | RS485, RS422, RS232 (Max. 32ch) | |
| Communication Speed | TCP/IP | 10/100 Mbps | | |
| | Serial | 9,600bps (Default) / 19,200bps / 38,400bps / 57,600bps / 115,200bps (Selectable) | | |
| Input Port | 4 EA: Exit Button, Door Sensor, AUX#1, AUX#2 | | | |
| Output Port | 2 EA: 2 FORM-C Relay Output (COM, NO, NC) / DC 12V~18V, Rating Max. 2A | | | |
| | 2 EA: TTL Output / DC5V, Rating Max. 20mA | | | |
| | Can be used in 26 Bit Wiegand, using the 2TTL Outputs | | | |
| Tamper Switch | 2 EA | | | |
| LED Indicator | 7 LED Indicators | | | |
| LCD | Character LCD (2 Lines x 16 Char) 65.6 x 13.8mm (2.62" x 0.55") Screen | | | |
| Buzzer | Piezo Buzzer | | | |
| Keypad | 16 Numeric Keypad with Back Lightings | | | |
| Operating Temperature | LCD: 0°C ~ +50°C (+32°F ~ +122°F) | | | |
| | Controller: -15°C ~ +70°C (+5°F ~ +158°F) | | | |
| | RF Reader: -35°C ~ +65°C (-31°F ~ +149°F) | | | |
| Operating Humidity | 10% ~ 90% Relative Humidity, Non - Condensing | | | |
| Color / Material | Dark Pearl Gray / Polycarbonate | | | |
| Dimension (W x H x T) / Weight | 161.5 x 134 x 48.5mm (6.4" x 5.3" x 1.9") / 525g (1.2 lbs) | | | |
| Certification | FCC, CE, KCC, RoHs | | | |

Time Schedule

| | | | |
|---------------|----|--------------|----|
| Time Code | 10 | Holiday Code | 10 |
| Time Interval | 5 | Holiday | 32 |

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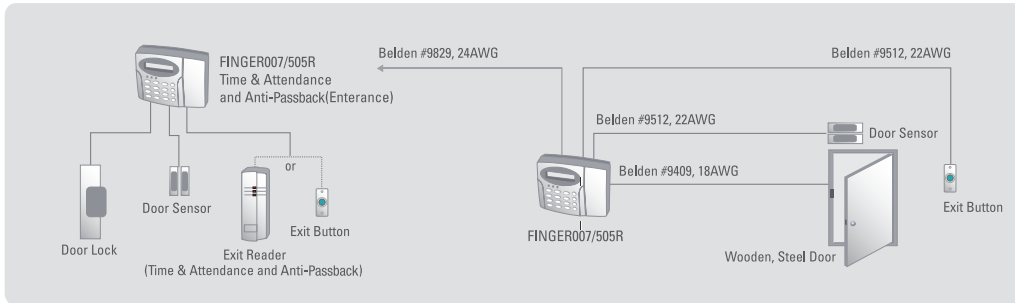
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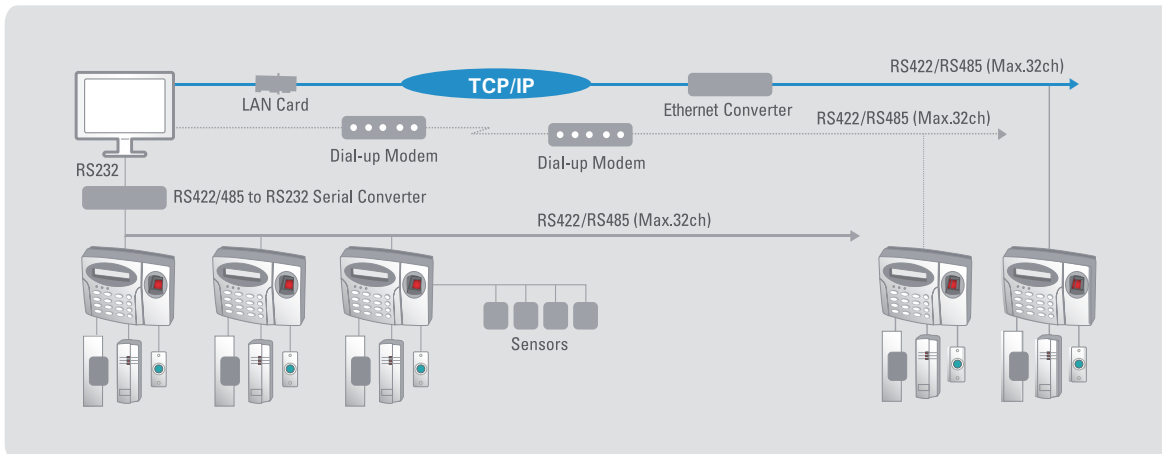
505RT / 505R



Standalone Configuration



Network Configuration



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