

# CP-R20U

## RFID Contactless Card Desktop Programmer



ROSSLARE'S CP-R20U IS A SOPHISTICATED HIGH-SECURITY DESKTOP PROGRAMMER UNIT FOR CUSTOM RFID PROXIMITY CARD APPLICATIONS. THIS LIGHTWEIGHT, SLEEKLY DESIGNED DESKTOP UNIT OFFERS EASY-TO-USE CARD PROGRAMMING AND MANAGEMENT VIA ROSSLARE'S RFID MANAGECARD™ CONSOLE (CP-S20). THE CP-R20U PACKS FEATURES SUCH AS STATE-OF-THE-ART MICROPROCESSOR DESIGN AND HIGH QUALITY, LOW COST, RFID CARD READING AND WRITING.

### GENERAL DESCRIPTION

The CP-R20U is a desktop programmer unit for custom RFID proximity card applications in Access Control systems where high security is a priority. Cards are placed in the card tray on the unit, and can be read, verified, and programmed using the accompanying software.

The CP-R20U is controlled by Rosslare's encrypted CP-S20 "RFID ManageCard Console" PC Software. Two tri-colored LEDs indicate current activity (read/verify/write) and busy/ready for next card function.

Card formats, card encoding, card series management, and customer distribution history are easily managed via the accompanying PC software.

### MAIN FEATURES

- Operator authentication process secures against unauthorized activity
- PC records operator real-time history log for system administrator

- Cards types supported: Atmel 555x, Sokymat, Temic 555x
- USB 2.0 link to PC
- Slim and lightweight design, small desktop footprint

### PROFESSIONAL GRADE FEATURES

- Microprocessor and SMT designed electronics for higher quality, superior performance, and reduced cost
- Supports EM4002 and Rosslare card format
- 125 KHz, ASK modulation
- Two tri-color LEDs
- Buzzer indicator
- Compatible with Rosslare card credentials:
  - AT-T11 (ISO Standard Read/Write cards)
  - AT-T14 (Clam Shell Read/Write cards)

# SPECIFICATIONS

## ELECTRICAL SPECIFICATIONS

|                      |   |
|----------------------|---|
| ■ Operating Voltage  | 5 VDC from a wall adapter transformer         |
| ■ Input Current      | Standby: 20 mA<br>Maximum: 45 mA              |
| ■ LED Color Function | Green: OK<br>Red: Error<br>Orange: In Process |

## OPERATIONAL SPECIFICATIONS

|                        |   |
|------------------------|---|
| ■ RF Transmission Time | 50 ms   |
| ■ RF Frequency         | 125 KHz cards (AT-R11/AT-R14/AT-R271/AT-R261) |

## ENVIRONMENTAL SPECIFICATIONS

|                         |                              |
|-------------------------|------------------------------|
| ■ Operating Environment | Indoor only                  |
| ■ Operating Temperature | 10°C to 50°C (50°F to 122°F) |
| ■ Operating Humidity    | 0 to 95% (non-condensing)    |

## PHYSICAL SPECIFICATIONS

|                          |  |
|--------------------------|--|
| ■ Dimensions (L x W x H) | 150 x 120 x 30 mm (4.9 x 4.9 x 0.83 in.) |
| ■ Weight                 | 150 g (5.3 oz.)                          |

## SYSTEM COMPONENTS

AT-R11/AT-R14/AT-R271/AT-R261  
For best performance we recommend using Rosslare accessories.

## PRODUCT WARRANTY

2-Year Limited Product Warranty

## ABOUT ROSSLARE SECURITY

Rosslare Security Products, a division of Rosslare Enterprises Ltd., has been manufacturing high-quality security products since 1980. The company's three main lines – Access Control, Intrusion Detection and Guard Patrol – together with a growing product range have transformed Rosslare Security into a major worldwide force in security. Rosslare holds itself to the highest standards of customer service and manufacturing (ISO 9001:2008, ISO 14001:2004, ISO 13485:2003). The company complies with the EU Directive 2002/95/EC on Restriction of Hazardous Substances (RoHS).

Visit our website: [www.rosslaresecurity.com](http://www.rosslaresecurity.com)

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