



Multi-purpose reader

CU-01



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Device

The CU-01 Multi-Purpose Reader has a built-in MIFARE® ISO/IEC 14443A/B/NFC proximity card reader and a 1D (Bar Code) and 2D (QR Code) scanner for a wide range of applications in public facilities.



Application

Stadiums, ski slopes, swimming pools:

- ✓ validation of authority Single ticket check,
- ✓ the possibility of checking multi-pass tickets: paper, electronic, Mifare or NFC cards/tags,
- ✓ presentation of information on services provided,
- ✓ presentation of promotional content,
- ✓ voice messages,
- ✓ emission of advertisements.

Access control and TNA system:

- ✓ implementation of the reader function for room access control,
- ✓ implementation of the reader function for TNA system:
 - control of entry time into the facility,
 - control of exit time from the facility,
 - possibility of monitoring private/business entries and exits,
- ✓ antipassback function possible,
- ✓ possibility of presenting customised information to an employee.

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Functionality

<i>Flash memory</i>	200,000 access authorization records 1,000,000 records for system event logs Flash memory for information/advertising material
<i>Authorisation verification</i>	Remote, local, group - with antipassback option
<i>Customisable graphic templates</i>	Yes
<i>Customised voice messages support</i>	Yes
<i>Presentation of information content</i>	YES - promotional material, advertising material, weather information
<i>Access support</i>	<ul style="list-style-type: none">• Direct control of the access gate after verification of authority• ACK access confirmation
<i>External peripherals support</i>	Expandable with peripheral devices using interfaces: <ul style="list-style-type: none">• RS232• CAN communication interface• USB expansion modules
<i>Energy saving</i>	<ul style="list-style-type: none">• The device blanks the display after a period of inactivity, wakes up by a microwave proximity sensor• Automatic display backlight adjustment - ambient light sensor
<i>Proximity card support</i>	<ul style="list-style-type: none">• 13,56 MHz Mifare / NFC
<i>1D / 2D code support</i>	Possibility of reading both paper tickets and tickets from the screens of mobile
<i>Multilingual device</i>	Adaptability of the content presented and announced in different languages

Technical parameters

<i>Supply voltage</i>	24 V AC +/- 10%
<i>Display</i>	<i>Type: colour TFT</i> <i>Resolution: 1024x600 px</i> <i>Screen diagonal: 7"</i> <i>Luminance: 800 cd/m2</i>
<i>Maximum current consumption</i>	2,5 A (24V/100VA isolation transformer recommended)
<i>Overvoltage protection</i>	Yes
<i>Proximity card support</i>	MIFARE® in the ISO/IEC 14443A 13,56 MHz standard: <ul style="list-style-type: none">• Mifare 1k• Mifare 4k• Mifare UltraLight• NFC NTAG203
<i>1D and 2D code reader</i>	<ul style="list-style-type: none">• Barcode and QR code reader• Possibility of reading from mobile phone screens• CMOS sensor with 1280x800 resolution• Possibility of reading data from identity documents (MRZ)
<i>Communication</i>	10/100/1000Mbit/s ETH interface basic ETH PoE interface, additional diagnostic interface
<i>Additional communication interfaces for expansion modules</i>	ETH PoE to environmental controller CAN, SPI, USB 2.0, RS232
<i>Environmental controller</i>	<ul style="list-style-type: none">• Temperature sensor• Humidity sensor• Motion sensor• Lighting intensity sensor• Remote restart• Ventilation module• Heating module• Monitoring of housing opening
<i>Inputs</i>	<ul style="list-style-type: none">• 2 digital inputs for access control• 2 universal digital inputs
<i>Outputs</i>	2 relay outputs (Normally Open N.C.) – for control driver of passage blockade 2 unieversal relay outputs (Normally Open N.O. or Normally Closed N.C.) 4 voltage (24VDC @ 100mA) outputs for Light signal tower
<i>Built-in audio amplifier</i>	Yes
<i>Operating temperature</i>	-20°C do +60°C
<i>Housing</i>	Brushed stainless steel with P4 glass front

