| | PROXIMITY READER ATLO R-801 | PROXIMITY READER ASM100-D DAHUA | PROXIMITY READER ASR1100-V3 DAHUA | PROXIMITY READER ASR1200-V3 DAHUA | PROXIMITY READER ASR1200E DAHUA | PROXIMITY READER ASR2100A DAHUA | PROXIMITY READER ASR2100A-ME DAHUA | PROXIMITY READER ASR2200A DAHUA | PROXIMITY READER ASR2200A-D DAHUA | PROXIMITY READER DS-K1F100-DBE Hikvision | PROXIMITY READER DS-K1F100-EBE Hikvision | PROXIMITY READER MCT12-BR BOGER | PROXIMITY READER MCT126-BR-OEN-SO BOGER | PROXIMITY READER MCT8100 BOGER | PROXIMITY READER MCT8100-BLE BOGER | PROXIMITY READER MCT8200-BR BOGER | PROXIMITY READER MCT8200-BLE BOGER | PROXIMITY READER DS-K1102AE Hikvision | PROXIMITY READER DS-K1102AW Hikvision | PROXIMITY READER DS-K1102M Hikvision | PROXIMITY READER MCT8102 BOGER | PROXIMITY READER PRT5117-BR-G BOGER | PROXIMITY READER PRT5117-G BOGER | PROXIMITY READER PRT6117-G BOGER | PROXIMITY READER PRT6200-G BOGER | PROXIMITY READER PRT6400-G BOGER | PROXIMITY READER PRT6117-G BOGER | PROXIMITY READER PRT6200-G BOGER | PROXIMITY READER PRT6400-G BOGER | PROXIMITY READER ACCO USB-CZ SATEL | PROXIMITY READER CZ-EMM SATEL | PROXIMITY READER CZ-EMM2 SATEL | PROXIMITY READER CZ-EMM3 SATEL | PROXIMITY READER CZ-EMM4 SATEL | PROXIMITY READER DS-K1104AM Hikvision | PROXIMITY READER MCT126-BR-OI BOGER | PROXIMITY READER MCT126-BR BOGER | PROXIMITY READER MCT8E-IO BOGER | PROXIMITY READER MCT8E8-BR BOGER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| | 16.23 EUR<br>16.23 EUR | 99.20 EUR<br>99.20 EUR | 77.97 EUR<br>77.97 EUR | 65.10 EUR<br>65.10 EUR | 30.05 EUR<br>30.05 EUR | 25.75 EUR<br>25.75 EUR | 71.06 EUR<br>71.06 EUR | 115.89 EUR<br>115.89 EUR | 71.06 EUR<br>71.06 EUR | 71.06 EUR<br>71.06 EUR | 96.81 EUR<br>96.81 EUR | 59.61 EUR<br>59.61 EUR | 132.61 EUR<br>132.61 EUR | 97.77 EUR<br>97.77 EUR | 200.30 EUR<br>200.30 EUR | 97.77 EUR<br>97.77 EUR | 60.09 EUR<br>60.09 EUR | 63.16 EUR<br>63.16 EUR | 63.16 EUR<br>63.16 EUR | 33.65 EUR<br>33.65 EUR | 51.27 EUR<br>51.27 EUR | 51.27 EUR<br>51.27 EUR | 73.92 EUR<br>73.92 EUR | 85.37 EUR<br>85.37 EUR | 51.27 EUR<br>51.27 EUR | 76.30 EUR<br>76.30 EUR | 62.00 EUR<br>62.00 EUR | 50.79 EUR<br>50.79 EUR | 50.79 EUR<br>50.79 EUR | 35.32 EUR<br>35.32 EUR | 35.32 EUR<br>35.32 EUR | 84.62 EUR<br>84.62 EUR | 76.30 EUR<br>76.30 EUR | 71.54 EUR<br>71.54 EUR | 72.73 EUR<br>72.73 EUR | 97.77 EUR<br>97.77 EUR |
| Support | RACS 5 (Reader) | RACS 5 (Reader) | RACS 5 (Reader) | RACS 5 (Reader) | RACS 5 (Reader) | RACS 5 (Reader) | RACS 5 (Reader) | RACS 5 (Reader) | RACS 5 (Reader) | RACS 5 (Reader) | RACS 5 (Reader) | RACS 5 (Reader) | RACS 5 (Reader) | RACS 5 (Reader) | RACS 5 (Reader) | RACS 5 (Reader) | RACS 5 (Reader) | RACS 5 (Reader) | RACS 5 (Reader) | RACS 5 (Reader) | RACS 5 (Reader) | RACS 5 (Reader) | RACS 5 (Reader) | RACS 5 (Reader) | RACS 5 (Reader) | RACS 5 (Reader) | RACS 5 (Reader) | RACS 5 (Reader) | RACS 5 (Reader) | RACS 5 (Reader) | RACS 5 (Reader) | RACS 5 (Reader) | RACS 5 (Reader) | RACS 5 (Reader) | RACS 5 (Reader) | RACS 5 (Reader) | RACS 5 (Reader) |
| Cards support | Unique EM 125kHz | Unique EM 125kHz | 13.56 MHz S50 | Unique EM 125kHz | 13.56 MHz S50 | Unique EM 125kHz | 13.56 MHz S50 | 13.56 MHz S50, Unique EM 125kHz | 13.56 MHz S50 | Unique EM 125kHz | 13.56 MHz S50, Unique EM 125kHz | Unique EM 125kHz | 13.56 MHz S50 | 13.56 MHz S50 | 13.56 MHz S50 | 13.56 MHz S50 | 13.56 MHz S50 | 13.56 MHz S50 | 13.56 MHz S50 | Unique EM 125kHz | Unique EM 125kHz | Unique EM 125kHz | 13.56 MHz S50 | Unique EM 125kHz | Unique EM 125kHz | 13.56 MHz S50 | Unique EM 125kHz | Unique EM 125kHz | Unique EM 125kHz | Unique EM 125kHz | Unique EM 125kHz | Unique EM 125kHz | 13.56 MHz S50 | Unique EM 125kHz | 13.56 MHz S50 | Unique EM 125kHz | 13.56 MHz S50 |
| Reading distance of proxkeys | max. 8 cm | max. 3 ... 6 cm | 1 ... 9 cm | max. 6 ... 8 cm | max. 3 ... 6 cm | 3 ... 6 cm (max) | max. 0 ... 5 cm | max. 0 ... 5 cm | 0 ... 5 cm | 0 ... 5 cm | max. 5 cm | max. 7 cm | max. 7 cm | max. 7 cm | max. 7 cm | max. 7 cm | max. 5 cm | max. 5 cm | max. 5 cm | max. 8 cm | max. 15 cm | max. 12 cm | max. 6 cm | max. 15 cm | max. 15 cm | max. 6 cm | | ≤ 14 cm | ≤ 10 cm | ≤ 5 cm | ≤ 5 cm | max. 5 cm | max. 7 cm | max. 7 cm | max. 7 cm | max. 7 cm | max. 5 cm |
| Autonomous operation | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | ✓ | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Keyboard built-in | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Output lines | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | | | | | | | | | | | |
| Doorbell button | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Light button | | | | | | | | | | | | | | | ✓ | | | | | | | | | | — | | | | | | | | | | | | |
| Battery backup support | | | | | | | | | | | | | | | | | | | | | | | | | — | | | | | | | | | | | | |
| Tamper output | — | — | ✓ | ✓ | — | — | ✓ | ✓ | ✓ | — | — | — | ✓ | ✓ | ✓ | ✓ | ✓ | — | — | — | — | ✓ | ✓ | ✓ | — | — | — | — | — | — | — | — | — | ✓ | ✓ | ✓ | ✓ | ✓ |
| Communication | Wiegand 26bit | USB 2.0 | RS-485, Wiegand | RS-485, Wiegand 34 | RS-485, Wiegand 34 | RS-485, Wiegand 34 | RS-485, Wiegand | RS-485, Wiegand 34/26 | RS-485, Wiegand | RS-485, Wiegand | USB 2.0 | • RS-485,<br>• RACS (Reader) | RS-485 | RS-485 | RS-485 | RS-485 | RS-485, Wiegand 34/26 | Wiegand 34/26 | Wiegand 34/26 | RS-485 - RACS 5 (Reader) | • Wiegand 26-66bit<br>• Magstripe (Clock & Data)<br>• RACS (Reader) | • Wiegand 26-66bit<br>• Magstripe (Clock & Data)<br>• RACS (Reader) | • Wiegand 26-66bit<br>• Magstripe (Clock & Data)<br>• RACS (Reader) | • Wiegand 26-66bit<br>• Magstripe (Clock & Data)<br>• RS-232<br>• RACS (Reader) | • Wiegand 26-66bit<br>• Magstripe (Clock & Data)<br>• RACS (Reader) | • Wiegand 26-66bit<br>• Magstripe (Clock & Data)<br>• RACS (Reader) | | EM-MARIN | EM-MARIN | • Wiegand 26-66bit<br>• Magstripe (Clock & Data)<br>• EM-MARIN | • Wiegand 26-66bit<br>• Magstripe (Clock & Data)<br>• EM-MARIN | RS-485, Wiegand 34/26, Open Supervised Device Protocol (OSDP) | • RS-485,<br>• RACS 5 (Reader) | • RS-485<br>• RACS (Reader) | • RACS 5 (Reader),<br>• RS-485 | RS-485 |
| Maximal current consumption | 40 mA | 100 mA | 100 mA | 800 mA | 100 mA | 100 mA | 500 mA | 500 mA | 500 mA | 500 mA | 200 mA | | | | | | 170 mA | 130 mA | 130 mA | | | | | | | | | | | | | 170 mA | | | | |
| Environment class | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Selected features of the standalone mode | | | | | | | | | | | | | | | | | | | | | | | | • 120 indexed users<br>• History of 1024 events<br>• Support for door contact and exit button<br>• Two way door control (requires using two readers of PRT series)<br>• Operation with XM-2 I/O extension module (Full Standalone Mode) | IV | • 120 indexed users<br>• History of 1024 events<br>• Two way door control (requires using two readers of PRT series)<br>• Operation with XM-2 I/O extension module (Full Standalone Mode) | | | | | | | | | | | | | |
| Main features | | | • Red and green LEDs<br>• Watchdog built-in<br>• Buzzer | • Watchdog built-in<br>• Red and blue LEDs<br>• Buzzer | • LEDs indicating device operation state<br>• Buzzer | • LEDs indicating device operation state<br>• Buzzer | • Watchdog built-in<br>• Buzzer<br>• Operation status LED indicators<br>• Protections : Overvoltage, Overload | • Watchdog built-in<br>• Red and blue LEDs<br>• Buzzer | • Watchdog built-in<br>• LED indicators displaying the device's operating status<br>• Buzzer | • Watchdog built-in<br>• LED indicators displaying the device's operating status<br>• Buzzer | SAM card slot : 2 pcs | • Tamper protection (detection of removing from mounting surface and enclosure opening)<br>• LED indication<br>• Beep signal | • Tamper protection (detection of removing from mounting surface and enclosure opening)<br>• LED indication<br>• Beep signal<br>• Built-in in/out lines<br>• Buzzer<br>• 1 Relay output , RELY - NO/NC, 30 V AC/DC / 1.5 A<br>• Two transistor outputs : I01, I02 - "Open Collector" (OC) type, max. 15 V DC / 1 A | • Tamper protection (detection of removing from mounting surface and enclosure opening)<br>• LED indication<br>• Beep signal | • Mobile identification via telephone with NFC / Bluetooth<br>• Tamper protection (detection of removing from mounting surface and enclosure opening)<br>• LED indication<br>• Beep signal | • Tamper protection (detection of removing from mounting surface and enclosure opening)<br>• LED indication<br>• Beep signal | • Watchdog built-in<br>• LED indication<br>• Buzzer<br>• Device address switch | • Watchdog built-in<br>• LED indication<br>• Buzzer | • Watchdog built-in<br>• LED indication<br>• Buzzer | • Tamper protection (detection of removing from mounting surface and enclosure opening)<br>• LED indication<br>• Beep signal | • Tamper protection (detection of removing from mounting surface and enclosure opening)<br>• Two inputs NO/NC<br>• Beep signal | • Tamper protection (detection of removing from mounting surface and enclosure opening)<br>• LED indication<br>• Beep signal<br>• Manual or computer programming | • Tamper protection (detection of removing from mounting surface and enclosure opening)<br>• LED indication<br>• Beep signal<br>• Can be used for 13.56 MHz S50 card programming (software is required)<br>• 120 indexed users<br>• History of 1024 events<br>• Two transistor outputs<br>• Two inputs NO/NC<br>• Manual or computer programming | • Autonomous operation or as terminal for the controller<br>• Can be used for EMC4 card programming (free of charge RARC software is required)<br>• Tamper protection (detection of removing from mounting surface and enclosure opening)<br>• Manual or computer programming | • Tamper protection (detection of removing from mounting surface and enclosure opening)<br>• Manual or computer programming | • Autonomous operation or as terminal for the controller<br>• Can be used for 13.56 MHz S50 card programming (free of charge RARC software is required)<br>• Tamper protection (detection of removing from mounting surface and enclosure opening)<br>• Manual or computer programming<br>• Tamper protection (detection of removing from mounting surface and enclosure opening)<br>• LED indication<br>• Beep signal<br>• Two transistor outputs<br>• Two inputs NO/NC | | • Support for the CA-64-SR expander<br>• Box casing designed to wall mounting | • Support for the CA-64-SR expander<br>• Box casing designed to wall mounting | • Support for the INT-R expander<br>• Support for the ACCO-KP and ACCO-KP-PS door controller modules<br>• Box casing designed to wall mounting<br>• Length of the cable : 3.9 m | • Doorbell button<br>• Support for the CA-64-SR expander<br>• Support for the ACCO-KP and ACCO-KP-PS door controller modules<br>• Box casing designed to wall mounting | • Watchdog built-in<br>• LED indication<br>• Buzzer<br>• Device address switch | • Tamper protection (detection of removing from mounting surface and enclosure opening)<br>• LED indication<br>• Beep signal<br>• Built-in in/out lines<br>• Buzzer<br>• 1 Relay output<br>• Two transistor outputs : I01, I02 - "Open Collector" (OC) type, max. 15 V DC / 1 A | • Tamper protection (detection of removing from mounting surface and enclosure opening)<br>• LED indication<br>• Beep signal<br>• Beads card numbers: CSN, NSN, MSN<br>• Support for normal and long card reading method | • Tamper protection (detection of removing from mounting surface and enclosure opening)<br>• LED indication<br>• Beep signal<br>• Beads card numbers: CSN, NSN, MSN<br>• Support for normal and long card reading method | • Tamper protection (detection of removing from mounting surface and enclosure opening)<br>• LED indication<br>• Beep signal<br>• Configuration through RS-485 (Roger/VDM)<br>• Firmware upgrade via RS-485 (Roger VDM) port | • Tamper protection (detection of removing from mounting surface and enclosure opening)<br>• LED indication<br>• Beep signal<br>• Beads card numbers: CSN, NSN, MSN<br>• Support for normal and long card reading method |
| Power supply | 12 V DC ± 10% | 5 V DC from USB port | 9 ... 15 V DC | 5 ... 16 V DC | 9 ... 15 V DC | 9 ... 15 V DC | 12 V DC | 12 V DC | 12 V DC | 12 V DC | 5 V DC from USB port | 10 ... 15 V DC | 10 ... 15 V DC | 12 V DC | 12 V DC | 10 ... 15 V DC | 12 V DC | 12 V DC | 12 V DC | 11 ... 15 V DC | 10 ... 15 V DC | 10 ... 15 V DC | 12 V DC | 10 ... 15 V DC | 10 ... 15 V DC | 12 V DC | | 12 V DC | 12 V DC | 12 V DC | 12 V DC | 12 V DC | 12 V DC | 10 ... 15 V DC | 10 ... 15 V DC | 10 ... 15 V DC | 10 ... 15 V DC |
| Housing | Plastic | Plastic | Plastic | Plastic, Waterproof | Plastic, Waterproof | Plastic, Waterproof | Plastic, Acrylic glass (plexiglass), Waterproof | Plastic, Waterproof | Plastic + Tempered glass, Waterproof | Plastic + Tempered glass, Waterproof | Plastic | | | | | | | Plastic | Plastic, Waterproof | Plastic, Waterproof | | | | | | | | | | | | | Plastic | | | |
| Average current consumption | | | | | | | | | | | | 40 mA | ~ 50 mA | 60 mA | 60 mA | 60 mA | | | | 50 mA | 45 mA | 45 mA | 85 mA | 45 mA | 45 mA | | 50 mA | 55 mA | 80 mA | 80 mA | | | | | | |
| Color | Black | Black | Black | Black + Silver | Black | Black | Black + Silver | Black + Silver | Black + Silver | Black + Silver | Black | | | | | | | Silver / Black | Black | Black | | | | | | | | | | | | | Black | | | |
| SAP Code | | | | | | | | | | | 30291362 | | | | | | | 302918642 | 302901502 | 302901508 | | | | | | | | | | | | | 302917286 | | | |
| Operation temp | 45 °C ... 60 °C | -50 °C ... 60 °C | -30 °C ... 60 °C | -30 °C ... 60 °C | -30 °C ... 60 °C | -30 °C ... 60 °C | -30 °C ... 70 °C | -30 °C ... 60 °C | -30 °C ... 70 °C | -30 °C ... 70 °C | -20 °C ... 65 °C | -25 °C ... 60 °C | -25 °C ... 60 °C | -25 °C ... 60 °C | -25 °C ... 60 °C | -10 °C ... 50 °C | -20 °C ... 65 °C | -20 °C ... 65 °C | -20 °C ... 65 °C | -25 °C ... 60 °C | -25 °C ... 60 °C | -25 °C ... 60 °C | -25 °C ... 65 °C | -25 °C ... 60 °C | -25 °C ... 60 °C | -25 °C ... 60 °C | | -20 °C ... 55 °C | -5 °C ... 40 °C | -20 °C ... 55 °C | -20 °C ... 55 °C | -20 °C ... 55 °C | -20 °C ... 65 °C | -25 °C ... 60 °C | -25 °C ... 60 °C | -25 °C ... 60 °C | -10 °C ... 50 °C |
| Permissible relative humidity | 10 ... 90 % (non-condensing) | ≤ 95 % (non-condensing) | ≤ 95 % (non-condensing) | 10 ... 95 % (non-condensing) | ≤ 95 % | ≤ 95 % | 5 ... 95 % (non-condensing) | 10 ... 95 % (non-condensing) | 5 ... 95 % (non-condensing) | 10 ... 95 % (non-condensing) | 5 ... 95 % (non-condensing) | 10 ... 90 % (non-condensing) | 10 ... 95 % (non-condensing) | 10 ... 95 % (non-condensing) | 10 ... 95 % (non-condensing) | 10 ... 95 % (non-condensing) | 10 ... 90 % (non-condensing) | 10 ... 90 % (non-condensing) | 10 ... 90 % (non-condensing) | 10 ... 95 % (non-condensing) | 10 ... 95 % (non-condensing) | 10 ... 95 % (non-condensing) | 10 ... 95 % (non-condensing) | 10 ... 95 % (non-condensing) | 10 ... 95 % (non-condensing) | 10 ... 95 % (non-condensing) | | 0 ... 95 % | 0 ... 95 % | 0 ... 95 % | 0 ... 95 % | 0 ... 95 % | 10 ... 90 % (non-condensing) | 10 ... 90 % (non-condensing) | 10 ... 90 % (non-condensing) | 10 ... 90 % (non-condensing) |
| "Index of Protection" | IP68 | IP67 | IP65 | IP66 - after additional sealing the housing connection with the mounting surface, e.g. with silicone | IP66 - after additional sealing the housing connection with the mounting surface, e.g. with silicone | IP66 - after additional sealing the housing connection with the mounting surface, e.g. with silicone | IP65 | IP66 - after additional sealing the housing connection with the mounting surface, e.g. with silicone | IP66 - after additional sealing the housing connection with the mounting surface, e.g. with silicone | IP66 - after additional sealing the housing connection with the mounting surface, e.g. with silicone | IP67 | IP65 | IP65 | IP65 | IP65 | IP41 | IP65 | IP65 | IP65 | IP65 | IP65 | IP67 | IP67 | IP67 | IP67 | | | | | | | IP65 | IP65 | IP65 | IP65 | IP41 |
| Weight | 0.06 kg | 0.082 kg | 0.088 kg | 0.08 kg | 0.08 kg | 0.08 kg | 0.18 kg | 0.18 kg | 0.13 kg | 0.13 kg | 0.086 kg | 0.14 kg | 0.15 kg | 0.09 kg | 0.09 kg | 0.1 kg | 0.13 kg | 0.12 kg | 0.12 kg | 0.08 kg | 0.15 kg | 0.11 kg | 0.11 kg | 0.15 kg | 0.14 kg | 0.15 kg | | 0.185 kg | 0.098 kg | 0.085 kg | 0.31 kg | 0.3 kg | 0.17 kg | 0.16 kg | 0.157 kg | 0.14 kg | 0.1 kg |
| Dimensions | 42 x 82 x 16 mm | 111 x 77 x 27 mm | 72 x 102 x 18 mm | 135 x 43 x 16 mm | 97 x 44 x 17 mm | 97 x 44 x 17 mm | 123 x 86 x 15 mm | 123 x 86 x 15 mm | 135 x 40 x 15 mm | 135 x 40 x 15 mm | 117 x 68 x 13 mm | 132 x 46 x 23 mm | 132 x 46 x 23 mm | 100 x 45 x 15 mm | 100 x 45 x 16 mm | 85 x 85 x 22 mm | 115 x 44 x 22 mm | 116 x 45 x 17 mm | 116 x 45 x 17 mm | 100 x 40 x 25 mm | 152 x 46 x 23 mm | 100 x 40 x 25 mm | 80 x 45 x 25 mm | 83 x 85 x 27 mm | 85 x 85 x 27 mm | 83 x 85 x 27 mm | | 79 x 120 x 30 mm | 89 x 120 x 18 mm | 85 x 128 x 21 mm | 87 x 158 x 24 mm | 87 x 158 x 24 mm | 123 x 68 x 21 mm | 132 x 46 x 23 mm | 132 x 46 x 23 mm | 132 x 46 x 23 mm | 85 x 85 x 27 mm |
| Manufacturer / Brand | ATLO | DAHUA | DAHUA | DAHUA | DAHUA | DAHUA | DAHUA | DAHUA | DAHUA | DAHUA | Hikvision | BOGER | BOGER | BOGER | BOGER | BOGER | Hikvision | Hikvision | Hikvision | BOGER | BOGER | BOGER | BOGER | BOGER | BOGER | BOGER | | SATEL | SATEL | SATEL | SATEL | SATEL | Hikvision | BOGER | BOGER | BOGER | BOGER |
| Guarantee | 3 years | 3 years | 3 years | 3 years | 3 years | 3 years | 3 years | 3 years | 2 years | 3 years | 3 years | 3 years | 2 years | 3 years | 3 years | 3 years | 3 years | 3 years | 3 years | 3 years | 3 years | 3 years | 3 years | 3 years | 3 years | 3 years | | 2 years | 2 years | 2 years | 2 years | 2 years | 3 years | 3 years | 3 years | 3 years | 3 years |

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