	PROXIMITY READER WITH KEYPAD ATLO-KR-522	PROXIMITY READER WITH KEYPAD ASR2101A DAHUA	PROXIMITY READER WITH KEYPAD ASR2101A-ME DAHUA	PROXIMITY READER WITH KEYPAD ASR2101H-D DAHUA	PROXIMITY READER WITH KEYPAD ASR2201A DAHUA	PROXIMITY READER WITH KEYPAD ACCO-KLCDR-BG SATEL	PROXIMITY READER WITH KEYPAD ACCO-KLCDR-BW SATEL	PROXIMITY READER WITH KEYPAD ACCO-SCR-BG SATEL	PROXIMITY READER WITH KEYPAD INT-SCR-BL SATEL	PROXIMITY READER WITH KEYPAD MCT82M ROGER	PROXIMITY READER WITH KEYPAD MCT82M-IO ROGER	PROXIMITY READER WITH TOUCH SCREEN MD70 ROGER	PROXIMITY READER WITH KEYPAD PRT12LT ROGER	PROXIMITY READER WITH KEYPAD PRT12MF-G ROGER	PROXIMITY READER WITH KEYPAD PRT64MF-G ROGER	PROXIMITY READER WITH KEYPAD PRT84MF-B ROGER	PROXIMITY READER DS-K1107AMK Hikvision	PROXIMITY READER WITH KEYPAD DS-K1801EK Hikvision	PROXIMITY READER MCT12E ROGER	PROXIMITY READER MCT64E-IO ROGER	PROXIMITY READER MCT68M2E-IO-O ROGER	PROXIMITY READER WITH KEYPAD PRT64LT-G ROGER	PROXIMITY READER DS-K1108AMK Hikvision	PROXIMITY READER MCT12E-IO ROGER	PROXIMITY READER MCT12M ROGER	PROXIMITY READER MCT12M-DES-IO ROGER	PROXIMITY READER MCT84M ROGER	PROXIMITY READER MCT88M-IO ROGER
	33.89 EUR 33.89 EUR	86.30 EUR 86.30 EUR	140.81 EUR 140.81 EUR	62.87 EUR 62.87 EUR	86.30 EUR 86.30 EUR	146.55 EUR 146.55 EUR	146.55 EUR 146.55 EUR	58.33 EUR 58.33 EUR	60.24 EUR 60.24 EUR	105.19 EUR 105.19 EUR	131.48 EUR 131.48 EUR	908.44 EUR 908.44 EUR	56.18 EUR 56.18 EUR	84.87 EUR 84.87 EUR	78.89 EUR 78.89 EUR	93.23 EUR 93.23 EUR	77.46 EUR 77.46 EUR	45.18 EUR 45.18 EUR	68.13 EUR 68.13 EUR	86.06 EUR 86.06 EUR	267.75 EUR 267.75 EUR	56.18 EUR 56.18 EUR	85.58 EUR 85.58 EUR	86.06 EUR 86.06 EUR	83.67 EUR 83.67 EUR	162.56 EUR 162.56 EUR	107.58 EUR 107.58 EUR	308.39 EUR 308.39 EUR
Support								SATEL - ACCO		RACS 5 (Roger)	RACS 5 (Roger)								RACS 5 (Roger)	RACS 5 (Roger)	RACS 5 (Roger)			RACS 5 (Roger)	RACS 5 (Roger)	RACS 5 (Roger)	RACS 5 (Roger)	RACS 5 (Roger)
Cards support	Unique EM 125kHz	13.56 MHz S50	Unique EM 125kHz, 13.56 MHz S50	Unique EM 125kHz	13.56 MHz S50	Unique EM 125kHz	Unique EM 125kHz	Unique EM 125kHz	Unique EM 125kHz	13.56 MHz S50	13.56 MHz S50	13.56 MHz S50	Unique EM 125kHz	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	13.56 MHz S50	Unique EM 125kHz	Unique EM 125kHz	13.56 MHz S50	13.56 MHz S50	13.56 MHz S50, NFC
Reading distance of proxkeys	max. 5 cm	0 ... 5 cm	0 ... 5 cm	0 ... 6 cm	0 ... 5 cm	≤ 5 cm	≤ 5 cm	≤ 5 cm	≤ 5 cm	max. 7 cm	max. 7 cm	max. 7 cm	max. 15 cm	max. 6 cm	max. 6 cm	max. 5 cm	max. 5 cm	max. 5 cm	max. 7 cm	max. 7 cm	max. 10 cm Unique EM 125kHz max. 7 cm 13.56 MHz S50	max. 15 cm	max. 5 cm	max. 7 cm	max. 7 cm	max. 7 cm	max. 5 cm	max. 7 cm
Keyboard built-in	✓	Touch control keys	Touch control keys	✓	Touch control keys	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Autonomous operation	–	–	–	–	–	–	–	–	–	–	✓	–	–	✓	✓	–	–	–	–	–	–	–	–	–	–	–	–	–
Doorbell button	✓	–	–	–	–	–	–	–	–	–	–	–	✓	✓	–	–	–	–	✓	–	–	–	–	✓	✓	✓	✓	✓
Tamper output	–	✓	✓	–	✓	–	–	–	–	✓	✓	✓	✓	✓	✓	✓	✓	–	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Communication	• RFID - Wiegand 26bit • keyboard - Wiegand 4bit	RS-485, Wiegand	RS-485, Wiegand	RS-485, Wiegand	RS-485, Wiegand	SATEL	SATEL	–	• INTEGRA • CA-64	• RS-485	RS-485	• RS-485 • Ethernet • WiFi - IEEE 802.11 a/b/g/n	• Wiegand 26-66bit • Magstripe (Clock & Data) • RACS (Roger)	• Wiegand 26-66bit • Magstripe (Clock & Data) • RACS (Roger) • RS232	• Wiegand 26-66bit • Magstripe (Clock & Data) • RACS (Roger) and others	• Wiegand 26-66bit • RACS (Roger)	RS-485, Wiegand 34/26, Open Supervised Device Protocol (OSDP)	Wiegand 34/26	• RS-485, • RACS (Roger)	• RS-485 • RACS (Roger)	• RS-485 • RACS 5 (Roger)	• Wiegand 26-66bit • Magstripe (Clock & Data) • RACS (Roger) and others	RS-485, Wiegand 34/26, Open Supervised Device Protocol (OSDP)	• RS-485, • RACS 5 (Roger)	• RS-485, • RACS (Roger)	• RS-485, • RACS 5 (Roger)	RS-485	RS-485
Current consumption																												
Maximal current consumption	95 mA	500 mA	500 mA	500 mA	500 mA	–	–	–	–								170 mA	150 mA	–	–	–		170 mA					
Housing	Metal	Plastic + Acrylic glass (plexiglass), Waterproof	Plastic + Acrylic glass (plexiglass), Waterproof	Plastic, Waterproof	Plastic + Tempered glass, Waterproof	–	–	–	–								Plastic	Plastic	–	–	–		Plastic					
Color	Silver / Black	Black + Silver	Black + Silver	Black	Black + Silver											Black	Silver / Black	White					Black					
Main features	Blue backlight of the keys	• Watchdog built-in • Buzzer • Operation status LED indicator • Identification modes (Card or PIN, Card and PIN, Card only, PIN only) • Protections : Overvoltage, Overload	• Watchdog built-in • Buzzer • Operation status LED indicator • Identification modes (Card or PIN, Card and PIN, Card only, PIN only) • Protections : Overvoltage, Overload	• Watchdog built-in • LED indicators displaying the device's operating status • Buzzer • Identification modes (Card or PIN, Card and PIN, Card only, PIN only) • Protections : Overvoltage, Overload	• Watchdog built-in • LED indicators displaying the device's operating status • Buzzer • Identification modes (Card or PIN, Card and PIN, Card only, PIN only) • Protections : Overvoltage, Overload	• LCD display • Sound signaling • Tamper protections • Keypad backlight buttons • LEDs for system state indication and user interface display	• LCD display • Sound signaling • Tamper protections • Keypad backlight buttons • LEDs for system state indication and user interface display	• Sound signaling • Blue backlight of the keys • LEDs for system state indication and user interface display • Optical tamper protection which reacts to opening the housing and pulling away from the wall • Doorbell button	• Sound signaling • Keypad backlight buttons • LEDs for system state indication and user interface display • relay for electromagnetic lock/electric strike	• Tamper protection (detection of removing from mounting surface and enclosure opening) • LED indication • Beep signal • Touch and backlit keyboard buttons	• Tamper protection (detection of removing from mounting surface and enclosure opening) • LED indication • Beep signal • Touch and backlit keyboard buttons • 3 inputs, • Multifunctional parametric inputs including Double Wiring • 2 Transistor outputs, • 1 Relay output	• Color LCD : 7 " - 800 x 480 px, capacitive touch screen • Support for devices equipped with NFC • The built-in 5 Mpx camera enables the reading of QR codes, taking pictures of logging in users and direct transmission of the image to the computer managing the system • Tamper protection (detection of removing from mounting surface and enclosure opening) • LED indication • Beep signal	• Tamper protection (detection of removing from mounting surface and enclosure opening) • LED indication • Beep signal • Manual or computer programming • Keypad backlight buttons	• Tamper protection (detection of removing from mounting surface and enclosure opening) • LED indication • Beep signal • Manual or computer programming • Keypad backlight buttons • Can be used for 13.56 MHz S50 card programming (free of charge RARC software is required)	• Tamper protection (detection of removing from mounting surface and enclosure opening) • LED indication • Beep signal • Different options of PIN codes and keyboard codes transmission • Manual or computer programming • Can be used for 13.56 MHz S50 card programming (free of charge RARC software is required) • 120 indexed users • History of 1024 events • Programmable relay output 1.5A/30V • Two transistor outputs • Two inputs NO/NC	• Tamper protection (detection of removing from mounting surface and enclosure opening) • LED indication • Beep signal • Control of touch-sensitive buttons • Keypad backlight buttons	• Watchdog built-in • LED indication • Buzzer • Device address switch	• Blue backlight of the keys • Sound signaling • LED indication • Installation in dedicated flush-mounted boxes DS-KABB6	• Tamper protection (detection of removing from mounting surface and enclosure opening) • LED indication • Beep signal	• Tamper protection (detection of removing from mounting surface and enclosure opening) • LED indication • Beep signal • 3 programmable input lines NO/NC • Two transistor outputs • Relay output	• Tamper protection (detection of removing from mounting surface and enclosure opening) • LED indication • Beep signal • 3 programmable input lines NO/NC • Two transistor outputs • Relay output • Metal protection enclosure	• Tamper protection (detection of removing from mounting surface and enclosure opening) • LED indication • Beep signal • Different options of PIN codes and keyboard codes transmission • Separate inputs for LED indicator control and for speaker • Manual or computer programming • Keypad backlight buttons	• Watchdog built-in • LED indication • Buzzer • Device address switch	• Tamper protection (detection of removing from mounting surface and enclosure opening) • LED indication • Beep signal • Built-in in/out lines • 3 inputs • 1 Relay output : REL1 - NO/NC, 30 V AC/DC / 1.5 A • Two transistor outputs : IO1, IO2 - "Open Collector" (OC) type, max. 15 V DC / 1 A	• Tamper protection (detection of removing from mounting surface and enclosure opening) • LED indication • Beep signal	• Tamper protection (detection of removing from mounting surface and enclosure opening) • Beep signal • Built-in in/out lines • 3 inputs • 1 Relay output : REL1 - NO/NC, 30 V AC/DC / 1.5 A • Two transistor outputs : IO1, IO2 - "Open Collector" (OC) type, max. 15 V DC / 1 A	• Tamper protection (detection of removing from mounting surface and enclosure opening) • Keypad backlight buttons • LED indication • Beep signal • Reads card numbers: CSN, SSN, MSN • Support for normal and long range reading method • Configuration through RS-485 (RogerVDM) • Firmware upgrade via RS-485 (Roger VDM) port	• Tamper protection (detection of removing from mounting surface and enclosure opening) • Built-in Bluetooth module allowing to identify the user via the mobile application • Support for normal and long card reading method • Alarm inputs : 3 pcs - NO, NC, EOL, 2EOL, 3EOL • Alarm outputs : 1 pcs Relay output NO/NC 30 V DC / 1.5 A + 2 pcs OC • Keypad backlight buttons • LED indication • Beep signal • Reads card numbers: CSN, SSN, MSN • Configuration through RS-485 (RogerVDM) • Firmware upgrade via RS-485 (Roger VDM) port
Power supply	12 V DC ± 10%	12 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	10 ... 15 V DC	10 ... 15 V DC	10 ... 15 V DC	12 V DC	12 V DC	10 ... 15 V DC	10 ... 15 V DC	10 ... 15 V DC	10 ... 15 V DC	12 V DC	10 ... 15 V DC	10 ... 15 V DC	10 ... 15 V DC	10 ... 15 V DC	10 ... 15 V DC
SAP Code																	302918666	302901276					302917287					
Average current consumption						160 mA	160 mA		105 mA	60 mA	60 mA	500 mA	65 mA	85 mA	85 mA	95 mA			50 mA	50 mA	100 mA	65 mA		~ 50 mA	50 mA	~ 50 mA	~ 50 mA	~ 110 mA
Operation temp	0 °C ... 60 °C	-30 °C ... 70 °C	-30 °C ... 70 °C	-30 °C ... 70 °C	-30 °C ... 70 °C	-10 °C ... 55 °C	-10 °C ... 55 °C	-25 °C ... 55 °C	-20 °C ... 55 °C	-10 °C ... 50 °C	-10 °C ... 50 °C	-5 °C ... 40 °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	-25 °C ... 60 °C	-25 °C ... 60 °C	-25 °C ... 60 °C	-25 °C ... 60 °C	-20 °C ... 65 °C	-25 °C ... 60 °C	-25 °C ... 60 °C	-25 °C ... 60 °C	-25 °C ... 60 °C	-5 °C ... 40 °C
Permissible relative humidity	≤ 95 % (non-condensing)	0 ... 95 % (non-condensing)	0 ... 95 % (non-condensing)	≤ 95 % (non-condensing)	0 ... 95 % (non-condensing)	93 %	93 %	0 ... 93 %	0 ... 93 %	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)	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 ... 90 % (non-condensing)	10 ... 95 % (non-condensing)	10 ... 95 % (non-condensing)	10 ... 95 % (non-condensing)	10 ... 95 % (non-condensing)	10 ... 95 % (non-condensing)
"Index of Protection"	IP20	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	IP66 - after additional sealing the housing connection with the mounting surface, e.g. with silicone					IP41	IP41	IP30	IP67	IP67	IP67	━	IP65	IP65	IP67	IP67	IP54	IP67	IP65	IP65	IP67	IP65	IP41	IP41
Weight	0.44 kg	0.18 kg	0.2 kg	0.104 kg	0.11 kg	0.27 kg	0.235 kg	0.24 kg	0.29 kg	0.11 kg	0.12 kg	0.47 kg	0.15 kg	0.15 kg	0.19 kg	0.09 kg	0.15 kg	0.136 kg	0.15 kg	0.19 kg	1 kg	0.176 kg	0.18 kg	0.17 kg	0.13 kg	0.15 kg	0.1 kg	0.23 kg
Dimensions	77 x 110 x 27 mm	123 x 86 x 15 mm	123 x 86 x 15 mm	126 x 46 x 21 mm	135 x 40 x 15 mm	140 x 126 x 26 mm	140 x 126 x 26 mm	47 x 158 x 24 mm	47 x 158 x 24 mm	85 x 85 x 22 mm	85 x 85 x 22 mm	218 x 134 x 25 mm	152 x 46 x 24 mm	152 x 46 x 24 mm	115 x 80 x 35 mm	130 x 45 x 22 mm	115 x 44 x 22 mm	87 x 87 x 13.3 mm	152 x 46 x 23 mm	115 x 80 x 35 mm	220 x 157 x 104 mm	115 x 80 x 35 mm	123 x 88 x 21 mm	152 x 46 x 23 mm	152 x 46 x 23 mm	152 x 46 x 23 mm	130 x 45 x 22 mm	156 x 85 x 22 mm
Manufacturer / Brand	ATLO	DAHUA	DAHUA	DAHUA	DAHUA	SATEL	SATEL	SATEL	SATEL	ROGER	ROGER	ROGER	ROGER	ROGER	ROGER	ROGER	Hikvision	Hikvision	ROGER	ROGER	ROGER	ROGER	Hikvision	ROGER	ROGER	ROGER	ROGER	ROGER
Guarantee	3 years	3 years	3 years	3 years	3 years	2 years	2 years	2 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	3 years	3 years	3 years	3 years	3 years	3 years

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