



Innovati Inc

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CARD & QR CODE READER

DATA SHEET

MULTI-TECHNOLOGY RFID, NFC, BLUETOOTH AND MATRIX CODES

The Architect® Blue RFID, NFC, and Bluetooth® multi- technology reader is equipped with a QR Code module to enable the identification of employees and visitors.

Identification by QR Code simplifies the management of temporary access in offices, parking lots or any other infrastructure.

MULTI-TECHNOLOGY RFID, NFC, BLUETOOTH AND MATRIX CODES

SIMPLE AND EASY TO USE The access control reader by QR

Code Architect® Blue streamlines visitor access with ease and ultimate dual speed reading. It guarantees QR Code-reading day and night and in all weather conditions: very bright environments, reflections, indoor or outdoor... The ergonomic design of the reader enables feedback to the user: double visual led indicator, audible indicator, etc

MULTI-TECHNOLOGY READER

The reader facilitates the identification of users with different profiles (visitors, employees, tenants, drivers...) by its compatibility with multiple identification technologies.

QR Code

Multi-formats supported (1D & 2D codes): QR Code, Micro QR Code, Code 128, Aztec, and Data Matrix. The QR Code can be printed or simply displayed on your smartphone (e-mails, virtual cards, etc.).

Bluetooth® & NFC

The smartphone becomes your access key and removes all the limitations of traditional access control cards. STid offers 6 modes of Prox, long distance or handsfree identification to make your access control both secure and instinctive!

RFID MIFARE® DESFire® EV2 & EV3

The reader supports the latest MIFARE® DESFire® EV2 & EV3 contactless technologies with new data security features: Secure Messaging EV2 and Proximity Check. It supports the use of public security algorithms recognized by specialized and independent organizations in information security (ANSSI and FIPS).






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SPECIFICATIONS

Operating frequency/Standards	13.56 MHz: ISO14443 types A & B, ISO18092 Bluetooth®
Technology compatibilities	MIFARE® Ultralight® & Ultralight® C, Classic & Classic EV1, Plus® (S/X) & Plus® EV1, DESFire® 256, EV1, EV2 & EV3, PicoPass® (CSN only), iCLASS™ (CSN only*) STid Mobile ID® (NFC HCE and Bluetooth® virtual card), Orange Pack ID
Functions	Read only CSN and secure (file, sector) / Protocol driven (read write)
Communication interfaces & protocols	TTL Clock&Data (ISO2) or Wiegand output (encrypted option - S31) / RS485 output (encrypted option - S33) with secure SSCP® v1 and v2 communication protocols, OSDP™ v1 (plain communication) and v2 (SCP secure communication) Compatible with EasySecure interface
Matrix code reader	1D & 2D codes: QR Code versions 1, 2 and 3; Micro QR Code; code 128; Aztec and Data Matrix Different formats: hexadecimal; decimal; ASCII; raw (in OSDP™) Detection under ambient lighting from 0 to 100,000 LUX / 3 available modes: ECO; normal day and night; intense brightness Adjustable light beam / target brightness and detection sensitivity
Reading distances**	3 cm / 1.18" minimum with a QR Code (depending on the size of the code) Up to 8 cm / 3.15" with a MIFARE® DESFire® EV2 card Up to 20 m / 65.6 ft with a Bluetooth® smartphone (adjustable distances on each reader)
Data protection	Yes - EALS+ secure data storage with certified crypto processor
Light indicator	2 RGB LEDs - 360 colors ▲ ▲ ▲ Configuration by card (standard or virtual), software or external command (OV) depending on interface
Audio indicator	Internal buzzer with adjustable intensity Configuration by card (standard or virtual), software or external command (OV) depending on interface
Relay	Automatic tamper direction management or SSCP® / OSDP™ command according to the interface
Power requirement	260 mA / 12 VDC max
Power supply	7 VDC to 28 VDC
Connections	10-pin plug-in connector (5 mm / 0.2") / 2-pin plug-in connector (5 mm / 0.2"); O/C contact - Tamper detection signal
Material	ABS-PC UL-V0 (black) / ASA-PC-UL-V0 UV (white)
Dimensions (h x w x d)	156.5 x 80 x 36 mm / 6.3" x 3.15" x 1.02" (general tolerance following ISO NPT 58-000 standard)
Operating temperatures	- 30°C to + 60°C / - 22°F to + 140°F
Tamper switch	Accelerometer-based tamper detection system with key deletion option (patented solution) and/or message to the controller
Protection / Resistance	IP65 Level - Weather-resistant with waterproof electronics (CEI NF EN 61086 homologation) / Humidity: 5 - 90% / Reinforced IK08 certified vandal-proof structure
Mounting	Compatible with any surfaces and metal walls - Wall mount/Flush mount: - European 60 & 62 mm / 2.36" & 2.44" - American (metal/plastic) - 83.3 mm / 3.27" - Dimensions: 101.6 x 53.8 x 57.15 mm / 3.98" x 2.09" x 2.24" - Examples: Hubbel-Raco 674, Carlon B120A-UP
Certifications 	CE (Europe), FCC (USA), IC (Canada), UKCA (United Kingdom) and UL
Part numbers y: case color (f: black - 2 white)	Read only secure - TTL.....ARCS-R31-AQ/BT1-xx/y Read only secure / Secure Plus - TTL.....ARCS-S31-AQ/BT1-xx/y Read only secure - RS485.....ARCS-R33-AQ/BT1-7AB/y Read only secure / EasySecure interface - RS485.....ARCS-R33-AQ/BT1-7AA/y Read only secure / Secure Plus - RS485.....ARCS-S33-AQ/BT1-7AB/y Read only secure / Secure Plus / EasySecure interface - RS485.....ARCS-S33-AQ/BT1-7AA/y Controlled by SSCP® v1 - RS485.....ARCS-W33-AQ/BT1-7AA/y Controlled by SSCP® v2 - RS485.....ARCS-W33-AQ/BT1-7AD/y Controlled by OSDP™ v1 & v2 - RS485.....ARCS-W33-AQ/BT1-70S/y