Product Sheet EN Cidron Standard Reader VG2

October 2020

Cidron Standard Reader











SECURE ACCESS CONTROL

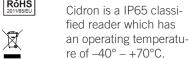


Secure Access Module

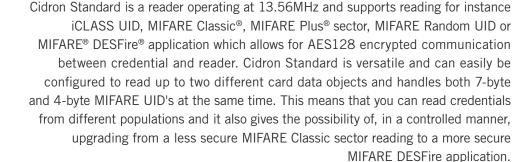
The Cidron reader features a contact card socket which is designed to read Secure Access Module's (SAM's), embedded on a SIM-card sized contact chip.



IP65



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The Cidron reader family is compatible with secure RFID-technologies incorporated in a robust, timeless design which making them ideally suited for both indoor- and

outdoor installations in all kinds of physical access control applications.

The Cidron Standard is available both, with- or without keypad. The version with keypad has backlit keys which is configurable to be always on, off or in auto mode, which means that when a card is presented to the reader or a key is pressed the keypad will light up. The version without keypad has a symbol light at the front of the reader which will be lit when a card is presented to a reader, configured to auto mode.



Technical specifications













Model Name	Standard PIN	Standard NO PIN	Slim PIN	Slim NO PIN	Combi PIN	Combi NO PIN
>>> Operating frequency	13,56MHz 13,56MHz + 125kHz					
▶ Reading technologies	MIFARE CSN 4 byte, MIFARE CSN 7 byte, MIFARE Classic, MIFARE Plus, MIFARE DESFire 0.6 and MIFARE DESFire EV1, MIFARE DESFire EV2¹ and MIFARE Random UID. ICLASS UID ISO14443B. Also supports other ISO 14443 A/B² compatible cards. Electromarine EM4200. HID® Proximity. MIFARE CSN 4 byte, MIFARE CSN 7 byte, MIFARE Classic, MIFARE Plus, MIFARE DESFire 0.6 and MIFARE DESFire EV1, MIFARE DESFire EV1, MIFARE DESFire EV2¹ and MIFARE Random UID. ICLASS UID ISO14443B. Also supports other ISO 14443 A/B* compatible cards.					
Secure Access Module	MIFARE SAM AV2, external SIM card connection slot.					
>>> Reading output format	Wiegand, Clock/Data, OSDP 1, OSDP 2 (including Secure channel), RS232 and RS485.					
Reading output format	24-1024 (excluding parity bits).					
>> Keypad output format	Wiegand 4bit, Wiegand 8bit (Dorado), Wiegand 26bit, OSDP ASCII format.					
EXECUTE Keypad	12 digit keypad in 4 rows of 3 keys in each row. ³	_	12 digit keypad in 6 rows of 2 keys in each row. ³	_	12 digit keypad in 4 rows of 3 keys in each row. ³	_
>> Indicators	LED, Green, Red and Yellow (Bi-color). Backlight in blue color. Buzzer.					
➢ Power supply	9 – 30VDC					
⊘ Current consumption	24VDC idle mode with heater inactive 40-60 mA⁴					
	12VDC idle mode with heater inactive 50-90 mA⁴					
>>> Input/Output	4 input for LED and buzzer and 2 configurable input/output.					
	Built-in mechanical tamperswitch which allows for indication both, break off protection and opening of the reader.					
>>> Operating temperature	-40° - +70°C					
>> Heater	Thermostat controlled embedded heater.					
○ ○ ○ Operating humidity	0 – 95% RHNC (Relative Humidity No Condensation)					
Ingress Protection Classification:	IP 65 (requires the accessory climate protection SC9901)					
>>> Housing dimensions	L=109mm, H=2	5mm, W=79mm	L=141mm, H=2	5mm, W=48mm	L=109mm, H=25	ōmm, W=79mm
Configuration Methods	Configuration card, reader tool software or factory configured readers.					

Application coding must be in accordance with EV1.



Not all ISO14443 B cards have been implemented in the reader, please contact Seriline for more details on current status. MIFARE is a registered trademark of NXP B.V. and is used under license.

 $[\]textit{With configurable backlight in blue color. Control features \textit{On/Off/Auto indicators}. \textit{Light itensity can be adjusted}.$

Current consumption differs depending on functionality used and can also be limited in the reader configuration, please consult the Cidron Standard/Combi full installation guide for current consumption, before dimensioning power supply.