

Access 7 C 2.0

Basic, Slim, Quattro,
Desktop



Product features and benefits

- Durable and reliable access control reader supporting Mifare® Classic technology
- Extremely low power consumption – up to 60 % more energy-efficient
- Eco-sensitive construction
- Highly configurable
- Open technology: no more proprietary limit on who you buy cards and controllers from, no device supplier or technology dependencies

The Access 7 C 2.0 reader hasn't merely improved its reliability and security for access control, data collection and person identification in a variety of settings. This remarkable reader also now boasts lower power consumption over its predecessor, with potentially substantial cost reductions in your site's backup power infrastructure investment. Factor in reductions in assembly epoxy and you have a genuinely eco-friendly access control reader capable of providing truly substantial cost-savings.

Yet Access 7 C 2.0's other enhancements and features deserve still more scrutiny. A robust Mifare reader, the Access 7 C 2.0 supports seven different UID chip technologies. Does NFC figure into your operation? Like its predecessor, Access 7 C 2.0 reads NFC-compliant tag UID numbers if your NFC device is configured for 'card operation'. The reader also comes with a reliable and sensitive tamper switch coupled to a dedicated FET output to help ensure the reader against vandalism. A versatile multi-purpose input has been added, along with a wide spectrum of customisable options from re-read delays to input controls for door exit options. This reader is highly configurable, and no uninstalling is required for configuration.

Black Access Basic or Access Quattro housings with black or white lenses remain standard for the Access 7 C 2.0 as well as accommodation for the most common interfaces, ensuring painless and convenient integration into your existing systems. A wider selection of colours is available for larger orders, or you might consider one of Idesco's Access Exclusive hand-made wooden and stone housings. Finally, integrating Idesco's Access 7 C 2.0 module into a customized RFID product solution is, as always, an available option.

So, whether you're seeking a reader for an entirely new site deployment, an upgrade or simply a standalone project with traditional cost considerations, Idesco's Access 7 C 2.0 is a versatile, secure and powerful solution guaranteed to appeal to the bottom lines of cost and security.

Access 7 C 2.0: Technical specifications

Operating Frequency	13,56 MHz
Voltage	+10 +30 VDC for cables longer than 3 meters +5... +30 VDC for cables shorter than 3 meters
Current Consumption	20 mA @ 24 VDC, max 60 mA
RFID chip support	MIFARE® DESFire: UID, MIFARE® Classic: UID, MIFARE® Ultralight UID, MIFARE® Plus UID, MIFARE® SmartMX (MIFARE® Classic emulation mode) UID, NFC (UID), Mifare Classic 7 Byte UID
Dimensions of housing (hxxwx d)	Basic: 110 x 43 x 24 mm Slim: 141 x 43 x 19 mm Quattro: 85 x 85 x 24 mm Desktop: 95 x 62 x 24 mm Module: 72 x 37,8 x 18 mm
Material of housing	Plastic
Installation method	Quattro: To a standard electrical socket with screws
Colour	Black
Customized versions	Yes, with sticker
Protection class	IP67, with the pigtail cable option IP54, with the connector option
Operational temperature range	-40 °C - +55 °C
Storage temperature range	-40 °C - +55 °C
I/O's	2 FET outputs (for tamper control and general), max 500 mA 1 General purpose input
Interfaces	RS-232, Wiegand, USB
USB Hi	On request
Clock & data	10 BCD format
EMC	Meets CE requirements
Field strength	According to EN300330
Cable	LIYY 3m, delivered only with pigtail reader
Connector option	Basic, Slim & Quattro (pigtail as a default)
LED	Three-colour (LED modes can also be configured)
LED control	By wire
Buzzer	Yes (Buzzer modes can also be configured)
Buzzer control	By wire
Optical Tamper	Yes, configurable
Alive message	Options for 4-bit, 6-bit, 8-bit and 38-bit message
Re-read delay	Adjustable, up to 63 seconds



Eco 20 is a new generation of Idesco products. Eco 20 stands for less power consumption, improved connectivity with other products and smaller carbon footprint through sustainable manufacturing materials and methods. www.idesco.fi/eco20

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