Smart Card 2 Click

PID: MIKROE-5492

Smart Card 2 Click is a compact add-on board for reading smart cards. This board features Microchip's SEC1210, a low-power single-chip Smart Card controller with a UART interface. The SEC1210 bridge controller uses a combination of hardware and software to deliver high-performance and flexible design customization options. It is fully compliant with standards like ISO/IEC 7816, EMV 4.2/4.3, ETSI TS 102 221, and PC/SC, utilizing TrustSpan™ technology that enables digital systems to communicate securely, process, move and store information. With its onboard card holder, it supports data processing with 2FF smart cards, and with an additional connector for external connection, it also allows the processing of a standard 1FF card. This Click board™ is suitable for electronic processes such as personal identification, access control (physical and logical access), authentication, and many more.

Smart Card 2 Click is supported by a mikroSDK compliant library, which includes functions that simplify software development. This Click board™ comes as a fully tested product, ready to be used on a system equipped with the mikroBUS™ socket.

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Specifications

Type	Smart Card
Applications	Can be used for personal identification, access control (physical and logical access), authentication, and more
On-board modules	SEC1210 - single-chip Smart Card controller from Microchip
Key Features	High performance, low power consumption, fully compliant with Smart card standards, UART interface, external Smart Card connection, data processing LED indicator, and more
Interface	UART
Compatibility	mikroBUS
Click board size	L (57.15 x 25.4 mm)
Input Voltage	3.3V,5V

Resources

mikroBUS™

mikroSDK

Click board™ Catalog

Click boards™

Downloads

Smart Card 2 click example on Libstock

Smart Card 2 click 2D and 3D files

SEC1210 datasheet

Smart Card 2 click schematic

Mikroe produces entire development toolchains for all major microcontroller architectures.
Committed to excellency, we are dedicated to helping engineers bring the project development up to speed and achieve outstanding results.

ISO 27001: 2013 certification of informational security management system.
ISO 14001: 2015 certification of environmental management system.
OHSAS 18001: 2008 certification of occupational health and safety management system.

ISO 9001: 2015 certification of quality management system (QMS).