



MINI SMART CARD READER

ATR20

SECURITY IN YOUR POCKET

With ATR20, only authorized users can access the network and sensitive information, conduct secure transactions and digitally sign documents.

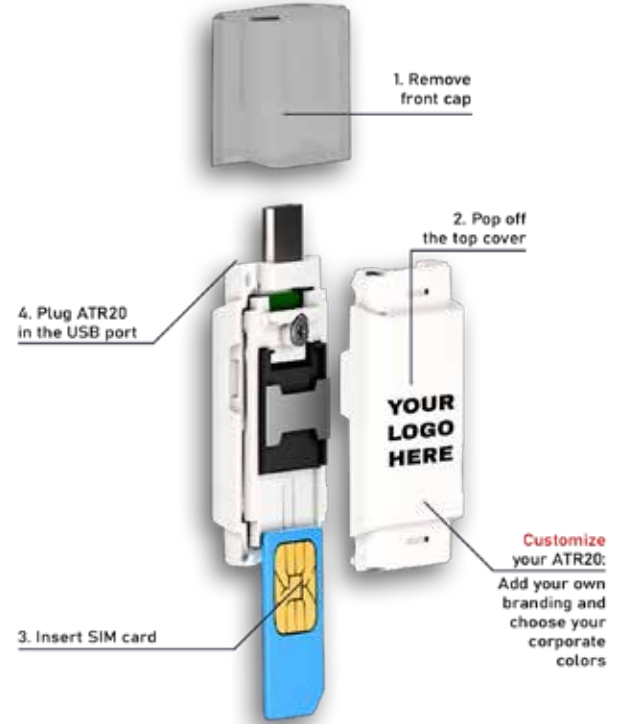
The ATR20 Mini Smart Card Reader manufactured by Atlantis Infotech is the only card reader that is **100% domestically produced** in terms of both hardware and software. ATR20 is a compact **USB Type-C** device that offers **dynamic smart card functionality** to the user.

With ATR20, you can use financial seal or e-signature certificate types for e-invoice, e-government and central registration system entries.

2FA: SECURITY & CONVENIENCE

The ATR20 combines smart card **security** with USB **convenience** to deliver the following benefits:

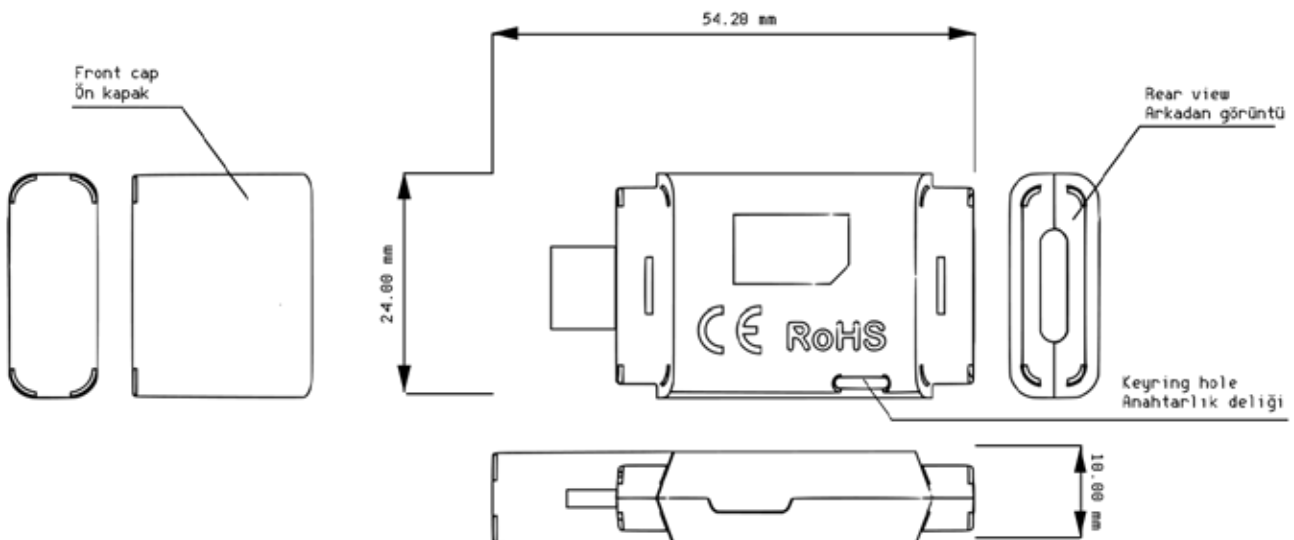
- **High security** - Advanced protection is enabled by two factor authentication: something users have- the device, and something they know- their PIN.
- **Universal access** - Secure logical access control services can be used with any system with a USB connection. Support for major desktop operating systems available.
- **Plug & Play USB** - Windows, Mac OS and Linux standard USB specifications means the device works with virtually any network connection.
- **Easy to use** - Users can simply insert ATR20 into a USB port and enter their PIN to access onboard security applications.



Strong authentication based on two factors: the token itself and a PIN, providing an extra level of security for the most sensitive applications. The PIN ensures the holder of the device is its legitimate owner. The device offers **all the power of a multi-application smart card in a USB form factor**, making it an ideal solution for organizations that require a combination of **security, portability, robustness and convenience**.

The ATR20 is designed for **secure communication with smartcards** containing cryptographic keys and certificates, strong authentication, encryption, and digital signature of email and data. It also supports non-repudiation, a crucial feature for proof of financial transactions.

TECHNICAL DRAWING



TECHNICAL SPECIFICATIONS

Physical Characteristics

Dimensions	54.20 mm (L) × 24.00 mm (W) × 10.00 mm (H)
Weight	8.5 g
Color	White or Custom to Order

USB Host Interface

Protocol	USB 2.0 & USB 1.1
Device Class	USB CCID
Connector Type	Standard Type C
Power Source	USB Port
Speed	USB Full Speed (12 Mbps)
Supply Voltage	5 V

Mini Smart Card Interface

Number of Slots	1 SIM-sized Card Slot ID000
Standard	ISO 7816 Parts 1-4, Class A, B, C, (5 V, 3 V, 1.8 V)
Protocol	T=0, T=1
Supply Current	Max. 60 mA
Smart Card Read/Write Speed	9.6 Kbps - 800 Kbps
Clock Frequency	4.8 MHz
Card Connector	Contact
Card Insertion Cycles	Min. 30,000

Application Programming Interface

PC-linked Mode	PC/SC
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Operating Conditions

Temperature	0 C - 50 °C
Humidity	Max. 90%
MTBF	500,000 hours

Product Care

Warranty Period	3 years
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Other Features

Compatibility	AKiS v1.2, v1.2.1, v1.2.2, v2.2.8, v2.5.2 and v2.6.2 Smart Cards
System Support	Windows® Vista, Windows® 7, Windows® 8, Windows® 8.1, Windows® 10, Windows® 11, Windows® Server 2003, Windows® Server 2008, Windows® Server 2008 R2, Windows® Server 2012, Windows® Server 2012 R2, Solaris™, Linux, Mac OS®, Android, Gemalto.

Certifications / Compliance	ISO 7816, USB 2.0, 1.1 Full Speed PC/SC, CCID, CE, RoHS, Microsoft® WHQL
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