

TooQ TQR-220B

TooQ TQR-220B External Electronic ID Reader User Manual

Model: TQR-220B | Brand: TooQ

1. INTRODUCTION

This manual provides detailed instructions for the proper use and maintenance of your TooQ TQR-220B External Electronic ID Reader. Please read this manual thoroughly before using the device to ensure optimal performance and to prevent damage.

The TooQ TQR-220B is designed for secure reading of electronic ID cards (DNle) and other smart cards, facilitating online transactions, digital signatures, and access to public administration services.

2. PRODUCT OVERVIEW

The TQR-220B is a compact and plug-and-play smart card reader. It features a USB 2.0 interface with a USB-A connector for easy connection to your computer.



Figure 2.1: TooQ TQR-220B Electronic ID Reader. This image shows the compact black reader unit with its integrated USB-A cable, ready for connection.

Key Features:

- **Interface:** USB 2.0 with USB-A connector.
- **Compatibility:** Fully compatible with DNI 3.0 (Spanish Electronic ID) and Cartão de Cidadão (Portuguese Identity Document).
- **Supported Card Types:** 5V, 3V, and 1.8V smart cards.
- **Standards:** Supports ISO-7816 and EMV2 2000 Level 1.
- **Certifications:** CE, FCC, VCCI, CCID, Microsoft WHQL.
- **LED Indicators:** Red LED for power on, Green LED for reading/writing activity.

3. SETUP AND INSTALLATION

The TooQ TQR-220B is designed for plug-and-play operation, requiring minimal setup.

System Requirements:

- Operating System: Windows (XP/Vista/7/8/10/11), macOS, Linux.
- Available USB-A port.
- Internet connection for driver download (if not automatically installed).

Installation Steps:

1. **Connect the Reader:** Plug the USB-A connector of the TQR-220B into an available USB port on your computer.

2. Driver Installation:

- For most modern operating systems (Windows 10/11, recent macOS, Linux distributions), the necessary drivers will be installed automatically upon connection.
- If automatic installation does not occur, or if you are using an older operating system, you may need to download the drivers from the official TooQ website. Refer to the support section of www.tooq.com for the latest drivers.

3. **Verify Installation:** Once connected, the red LED on the reader should illuminate, indicating it is powered on. You can verify the device installation in your computer's Device Manager (Windows) or System Information (macOS).

4. OPERATION

Using the TooQ TQR-220B to read your electronic ID or smart card is straightforward.

Inserting a Smart Card:

1. Ensure the reader is connected to your computer and the red LED is on.
2. Locate the smart card slot on the top of the TQR-220B.
3. Insert your electronic ID card (e.g., DNle) or smart card into the slot with the chip facing upwards and towards the reader, as shown in the image below. Push the card gently until it is fully seated.



Figure 4.1: Inserting a DNle Card. This image illustrates the correct orientation for inserting an electronic ID card into the reader, with the chip visible and facing upwards.

Reading and Writing:

- Once the card is inserted, the green LED will flash or remain solid, indicating active communication (reading or writing) with the smart card.
- Use the appropriate software application (e.g., DNle software, banking applications, digital signature tools) on your computer to interact with the smart card.
- Do not remove the card while the green LED is active, as this may interrupt data transfer or corrupt the card.

Removing a Smart Card:

Once your operation is complete and the green LED is no longer active, gently pull the smart card out of the slot.

5. LED INDICATORS

The TooQ TQR-220B features two LED indicators to provide status information:

- **Red LED:**
 - **On (Solid):** Indicates that the device is powered on and ready.
- **Green LED:**
 - **On (Solid/Flashing):** Indicates active communication (reading or writing) with an inserted smart card.
 - **Off:** No smart card inserted or no active communication.

6. SPECIFICATIONS

Detailed technical specifications for the TooQ TQR-220B Electronic ID Reader:

Feature	Description
Model	TQR-220B
Interface	USB 2.0 (USB-A Connector)
Supported Card Types	5V, 3V, and 1.8V Smart Cards (ISO-7816 Class A, B, C)
Compatibility	DNI 3.0, Cartão de Cidadão, EMV2 2000 Level 1
Operating Systems	Windows (XP/Vista/7/8/10/11), macOS, Linux
Certifications	CE, FCC, VCCI, CCID, Microsoft WHQL
LED Indicators	Red (Power On), Green (Read/Write Activity)
Color	Black
Dimensions (Approx.)	70 mm (L) x 45 mm (W) x 57 mm (H)



Figure 6.1: Product Dimensions. This diagram provides the approximate measurements of the TQR-220B reader for reference.

7. TROUBLESHOOTING

If you encounter issues with your TooQ TQR-220B, refer to the following common problems and solutions:

Problem	Possible Cause / Solution
Reader not recognized by computer.	• Ensure the USB cable is securely connected to both the reader and the computer. • Try a different USB port on your computer. • Check Device Manager (Windows) or System Information (macOS) to see if the device is listed. If there's an error, try reinstalling drivers from www.tooq.com. • Restart your computer.
Red LED is off.	• The reader is not receiving power. Ensure it is properly connected to a functioning USB port. • Try a different USB port or computer.

Problem	Possible Cause / Solution
Green LED does not light up when card is inserted.	• Ensure the smart card is inserted correctly with the chip facing upwards and fully seated. • The card may be damaged or incompatible. Try a different smart card if available. • Ensure the necessary software application for interacting with the smart card is running on your computer.
Software application cannot read the card.	• Verify that the correct drivers are installed for the reader. • Ensure your smart card software is up-to-date. • Check if your smart card requires specific middleware or certificates to be installed on your system.

8. MAINTENANCE

To ensure the longevity and proper functioning of your TooQ TQR-220B, follow these simple maintenance guidelines:

- **Cleaning:** Use a soft, dry, lint-free cloth to clean the exterior of the reader. Do not use liquid cleaners, aerosols, or abrasive solvents.
- **Storage:** Store the reader in a cool, dry place away from direct sunlight and extreme temperatures.
- **Handling:** Avoid dropping the device or subjecting it to strong impacts. Do not force cards into the slot.
- **Cable Care:** Do not bend or crimp the USB cable excessively. Always grasp the plug when disconnecting, not the cable itself.

9. WARRANTY AND SUPPORT

TooQ products are designed for reliability and performance. For warranty information and technical support, please visit the official TooQ website or contact their customer service.

- **Official Website:** For the latest drivers, FAQs, and support resources, please visit www.tooq.com.
- **Customer Service:** Refer to the contact section on the TooQ website for regional support details.

Please retain your proof of purchase for warranty claims.

Related Documents

	TooQ TQR-3003B USB-C 2.0 + USB A 3.0 SD/TF Card Reader Discover the TooQ TQR-3003B, a versatile USB card reader featuring USB-C 2.0 and USB A 3.0 interfaces. This compact and fast device allows simultaneous reading and writing of SD and TF cards, offering effortless data transfer for all your devices. Plug and play functionality and a sleek black design make it an essential accessory.
	TooQ TQR-3011B USB-C 2.0 Card Reader - Secure Digital Identity Access Discover the TooQ TQR-3011B, a compact USB-C 2.0 card reader designed for secure and simple digital identity authentication in banking, government, and corporate networks. Supports DNI 4.0, Portuguese Identity Card, and various smart card types.
	TooQ TQR-3001G USB Card Reader (USB-C 3.0 + USB A) - Product Information Discover the TooQ TQR-3001G, a versatile USB card reader with USB-C 3.0 and USB A connectivity. This agile and compact reader offers fast, simultaneous SD and TF card reading and writing, compatible with Windows and Mac. Designed for efficient performance without overheating, it's the ideal technology solution for seamless data transfer.
	TooQ TQR-3002B USB-A 3.0 2-in-1 SD/TF Card Reader High-speed USB-A 3.0 card reader from TooQ, model TQR-3002B. Supports simultaneous reading and writing of SD and TF cards. Compatible with Windows and Mac. Features a compact black design and is built to prevent overheating.

Documents - TooQ – TQR-220B



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TQR 220B PRESENTACION PT tooq repository products drivers |||

DNle VISIN LEITOR DE CARTO EXTERNO DNle. USB-A / USB 2.0TQR-220B

EAN-13: 8433281010383 TooQ se adapta aos tempos de mudana e incorpora seu alinhamento um leitor de carto DNle externo com o qual voc ser capaz de realizar todas as etapas que voc precisa a partir de seu computador pessoal, escritrio ou de ...

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TOR-220B



Lector de Tarjetas
Inteligentes DNIE VISION USB
2.0, Negro

EAN-13: 8433281010383

Especificaciones

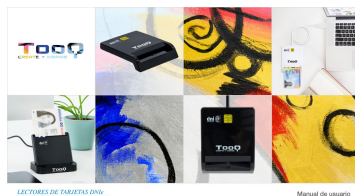
- Especificaciones:**
- Interfaz: USB 2.0 con conector USB-A
 - Compatible con DNI 4.0y Cartão de cidadão (Documento de Identidad de Portugal)
 - Led Rojo: Encendido / Led Verde: Lectura/Escritura
 - Tipos de Tarjetas soportadas: Tarjetas inteligentes de SV, 3V y 1.8V
 - Soporta ISO-7816 y EMV2 2000 Nivel 1, CE, FCC, VCCI, CCOID, Microsoft: WHQL
 - Compatible con PC y MAC, sin necesidad de drivers.
 - Compatible con las últimas versiones de macOS (Big Sur)

- Incluye opción de soporte para teléfono y smartphone
- Color: Negro
- Peso neto: 0,060 kg. Peso bruto: 0,098 kg
- Medidas aprox. producto (mm): 57x45x70 mm
- Medidas del embalaje (blister): 120x215x90 mm

Contenido del Paquete
 • 1 x Lector de tarjetas DNLe externo

* Todas las especificaciones están sujetas a cambios sin previo aviso. Por favor, consulte con su proveedor y para cifras exactas, los productos pueden no estar disponibles en todos los mercados.
 ** El color del producto y/o variaciones del software incluidas están sujetos a cambios sin previo aviso.
 *** Las marcas y nombres de productos son marcas o marcas de sus respectivos propietarios.
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FICHA DE PRODUCTO TooQ Technology TQR 220B tooq product id 1713 |||

TQR-220B Lector de Tarjetas Inteligentes DNle VISION USB 2.0, Negro EAN-13:
8433281010383 Especificaciones Interfaz: USB 2.0 con conector USB-A Compatible
con DNI 4.0y Carto de ciudado Documento de identidad de Portugal Led Rojo:
Encendido / Led Verde: Lectura/Escritura Tipos de tarjetas suport...
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aquí LECTOR DE DNI EXTERNO TOOQ TQR 220B USB 2 0 EuropeanPC Ficha del producto mm
96559867 1641456995 2312 1982 objects icecat biz |||

DNle VISIN LECTOR DE TARJETAS EXTERNO DNle. USB-A / USB 2.0**TQR-220B**
EAN-13: 8433281010383 TooQ se adapta a los nuevos tiempos e incorpora a sus
filas un lector de tarjetas externo de DNle con el que podrs realizar todas las
gestiones que necesites desde tu ordenador personal, oficina o desde casa. ...
lang:es score:39 filesize: 2.61 M page count: 1 document date: 2022-01-05

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TQR 210B Guia es tooq repository products manuals |||

LECTORES DE TARJETAS DNle TQR-210B, TQR-210W, TQR-211B, **TQR-220B**
Manual de usuario Le indicamos paso a paso el funcionamiento y configuracin del
lector DNle en Windows 10. 1. Tendr que descargar los drivers desde la web de la
polica para su sistema operativo: <https://www.dnielectronico.es/portald...>
lang:es score:35 filesize: 3.54 M page count: 15 document date: 2023-04-11

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DN1e VISIÓN TooQTooq is adapting itself to the new era introducing an electronic ID card reader for USB C devices Make all arrangements you need from anywhere proxytooq repository products drivers TQR

220B PRESENTACION ENG |||

DN1e VISIN EXTERNAL SMARTCARD/ELECTRONIC ID CARD READER. USB-A/USB 2.0 **TQR-220B** EAN-13: 8433281010383 Tooq is adapting itself to the new era introducing an electronic ID card reader for USB C devices. Make all the arrangements you need from anywhere. You can also use it as a support for your phone. ...

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LECTORES DE TARJETAS DNle TooQLECTORES TooQManual3 Introducimos el DNI en lector de dni siempre con chip mirando hacia arriba como se muestra la imagen15 puslapiqTooQ TechnologyLector electronico Tooq negro Guadalstorev1v1v1v1v1v1tooq repository products manuals TQR 210B Guia estoq es |||

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Manual de usuario Le indicamos paso a paso el funcionamiento y configuracin del lector DNle en Windows 10. 1. Tendr que descargar los drivers desde la web de la polica para su sistema operativo: <https://www.dnielectronico.es/portald...>
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Linux Indicador LED 100 Leitores de cartes **TQR-220B** EAN-13: 8433281010383

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lang:es **score:24** filesize: 323.66 M page_count: 133 document date: 2023-12-05



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Linux Indicador LED 104 Lectores de tarjeta **TQR-220B** EAN-13: 8433281010383

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lang:es **score:23** filesize: 247.49 M page_count: 112 document date: 2022-05-11