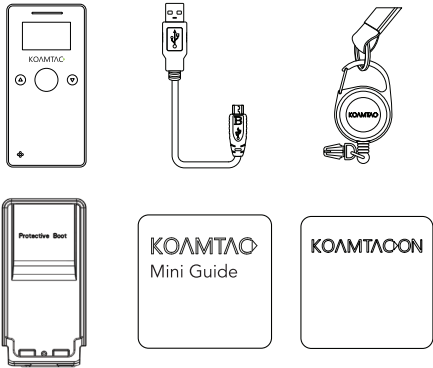


What's in the Box?

- KDC280
- USB Type-C Cable
- Protective Rubber Boot
- KDC Lanyard
- Mini Guide
- KOAMTACON Guide

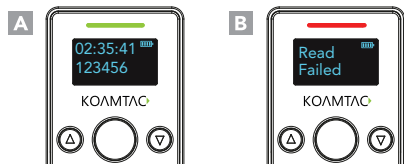


Basic Operation

Aim the KDC280 directly at the barcode and press the SCAN button, ensuring the beam covers the barcode horizontally.



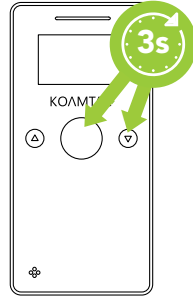
A successful scan (A) will sound 1 beep, show a green LED, and display the scanned info on the screen. An unsuccessful scan (B) will sound 5 beeps, show a red LED, and display "Read Failed" on the screen.



Powering On/Off

To power on the KDC280, press and hold the SCAN and DOWN buttons for 3 seconds.

To power off the KDC280, press and hold the SCAN and DOWN buttons for 3 seconds again.



Bluetooth Profiles Explained

HID

Allows one-way Bluetooth communication with an Android or iOS host device. The KDC only transmits data to the host device.

SPP

Allows two-way Bluetooth communication. The KDC transmits data to the host device and the host can transmit data back to the KDC.

HID Windows

Allows one-way Bluetooth communication with a Windows PC. The KDC only transmits data to the Windows PC.

HID inputs data directly into an application. SPP requires the KOAMTAC KTSync® app or integration of the KOAMTAC SDK to input data into an application.

Additional Accessories

- 1-Slot and 4-Slot Charging Cradles
- 650mAh Battery
- Type-C USB Cable
- KBLED50 BLE Dongle
- Protective Rubber Boot



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Pairing & Connecting

1. Navigate to the Bluetooth setting on the host PC, Mac, Smartphone, or Tablet.
2. Ensure that Bluetooth is enabled on the host device and searching for devices.
3. Using the KDC, scan the pairing barcode that corresponds to your desired Bluetooth profile. If you are unsure which Bluetooth profile is right for you, please refer to previous panel.
4. Check the list of available Bluetooth devices on your host device. In iOS, the application will need to search devices.
5. From the list, select the KDC280 listed by serial number in brackets that matches the serial number found on the back side of the KDC280.
6. In HID Mode, KDC280 is ready to use.
7. To complete connection in SPP Mode, launch KTSync or your application and select KDC280 to connect.



KDC280 Mini Guide



For details on warranty, certifications, and legal compliance, please refer to koamtac.com and the Reference Manual.

Pairing Barcodes



HID



HID Windows



SPP

Pairing via NFC (Android Only)

This feature is supported only on Android host devices and is available exclusively for HID and SPP pairing profiles.

1. The default connection mode is SPP. To pair using SPP mode, bring the KDC close to the NFC antenna area on the back of the host device.
2. To use HID mode instead, scan the HID mode barcode first, then bring the KDC close to the NFC antenna area on the back of the host device to complete pairing.

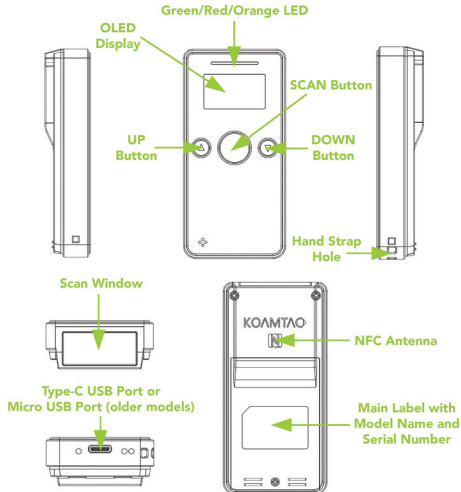


NFC HID



NFC SPP

KDC280 Diagram



Using Keyboard Wedge

Keyboard wedge allows you to use your KDC280 as a keyboard. The HID profile works as keyboard wedge by default. When using serial mode, KTSync provides a keyboard wedge function when KTSync keyboard is enabled. Please refer to the KDC Reference Manual for detailed instructions to enable KTSync keyboard.

1. Ensure that the KDC280 is connected to the host device using the HID profile or the KDC280 is connected via KTSync keyboard using serial mode.
2. Open any application on the host device that contains a text field you want to populate.
3. Tap the text field in the application.
4. Scan any barcode with the KDC280.
5. The barcode data will then populate in the text field.

Specs

Functionality

Memory Flash: 8MB User Data
Can store more than 400,000 barcodes (EAN-13)

Wedging & Synchronization

Store to a file or transfer to an application
Keyboard wedge function
Add-on prefixes and suffixes
Barcode option selection

Scan Range (20mil Code39)

Laser/CCD: 1.97" to 18.11" (50 mm to 460mm)
Imager: 2.79" to 29.41" (71 mm to 747 mm)

OS Support

Android, iOS, macOS, Windows

KTSync & SDK

KTSync® is a program which communicates with the KDC280 via USB, Serial or Bluetooth. It enables users to read and store data. KTSync is compatible with iOS, Android, Windows, and Mac. It also supports wedging and downloading data from the KDC280.

For more information about KTSync, please visit:

www.koamtac.com/support/downloads/applications

The Software Development Kit (SDK) is the perfect solution for creating a custom application to collect data utilizing your KDC280. The KOAMTAC SDK covers all major development platforms: Android, iOS, Windows, Xamarin, Cordova, React Native, and Flutter. Developers may take advantage of the complimentary SDK and enjoy the full benefits of the KOAMTAC Developer Program. For more information regarding the KOAMTAC Developer Program or to request the latest SDKs, visit:

www.koamtac.com/support/downloads/sdk

or e-mail sdk@koamtac.com.

Specs

Interfaces

Bluetooth Low Energy 5.0: HID (Android/iOS/Windows), SPP (Optional Secure Mode)USB: Flash Memory (Windows), USB HID, USB Serial (Android with OTG cable / Windows)

User Environment

Ingress Protection Rating: IP65
Drop Spec: 5' (1.5 m)
Operating: 14°F to 122°F (-10°C to 50°C)
Storage: -4°F to 140°F (-20°C to 60°C)
Humidity: 5% to 95% (non-condensing)

Regulatory Conformance

R&TTE, FCC, KC, J-MIC, VCCI, SRRC, RoHS Compliant
Laser Safety: IEC60825/CDRH Class II
LED Safety: IEC62471:2006

Helpful Barcodes



Enable Beep Sound



Disable Beep Sound

KDC280 Charging Cradles & Accessories



1-Slot Charging Cradle
Charges one KDC280.



4-Slot Charging Cradle
Charges four KDC280 scanners.



Protective Rubber Boot
The Protective Boot adds shock absorption to your KDC, protecting it from drops and falls.