aitronic

Android 8.1

1D/2D Barcode Scanner

5 Inch Display

UHF RFID

4G/LTE

GPS

Camera

USB

Bluetooth 4.0

WLAN

LogiScan-1720-8 UHF

UHF Handheld

2D Imager | RFID | Fingerprint | 4G LTE | GPS | Camera | Bluetooth | WLAN

LogiScan-1720-8 UHF

This Android-based mobile computer has a powerful octa-core processor, stable wireless connectivity (4G LTE, Wi-Fi, Bluetooth), a high-resolution camera, accurate GPS, UHF RFID, optional 2D barcode scanner and iris recognition. This robust device can be used in industries such as express delivery, logistics, warehousing, manufacturing.

robust • compact • ergonomic

Specifications

Dimensions, Weight	164.2 x 80.0 x 24.3 mm (L x W x H), 654 g
Display	5.2 inch, high resolution (1920 x 1080)
Touch Panel	Corning Gorilla Glas, capacitive Touch Panel, tolerates the operation with gloves and wet hands
Keyboard	4 front Keys, 1 side keys, 2 scan keys, 1 multi function keys
Battery	Li-Ion battery, 8000 mAh
Expansion Slots	1 SIM Slot, 1 Slot for SIM or TF Card
Audio	Speaker, 2 Microphones
Interfaces	USB 2.0 Type C, OTG
CPU, RAM, ROM	Cortex-A53 2,5 GHz Octa-Core, 3 GB RAM, 32 GB ROM, with Micro-SD by max. 128 GB expandable
Operating System, SDK, Language, Tool	Android 8.1, Software Development Kit, Java, Android Studio
WLAN	IEEE802.11 a/b/g/n, 2.4G/5G dual-band, internal antenna
WWAN & Voice	2G: 850/900/1800/1900MHz 3G: 850/900/1900/2100MHz 4G: B1, B3, B5, B7, B8, B20, B40
WPAN	Bluetooth v2.1+EDR, v3.0+HS, v4.1+HS
GPS, GNSS	GPS/AGPS, GLONASS, BeiDou; internal antenna
Camera	13 Megapixel, autofocus, with flash
Sensors	Gravity sensor, light sensor, proximity sensor sensor, vibration motor
1D/2D Imager (optional)	ZEBRA SE4710, all common 1D barcode types and following 2D codes: PDF417, MicroPDF417, Composite, RSS, TLC-39, Datamatrix, QR code, Micro QR code, Aztec, MaxiCode; Postal Codes: US PostNet, US Planet, UK Postal, Australian Postal, Japan Postal, Dutch Postal (KIX), etc.
UHF RFID	865 MHz - 868 MHz / 920 - 925 MHz / 902 - 928 MHz, Protocol EPC C1 GEN2 / ISO18000-6C, Antenna: circular polarisation (4 dBi), Power 1W (30 dBm, +5 dBm to +30 dBm adjustable), R/W range: > 10 m (outdoor), > 20 m (indoor), Reading Rate: > 200 Tags/s
Iris Recognition (optional)	Rate < 150 ms, Range 20 - 40 cm, FAR (False Acceptance Rate) 1/10.000.000
Environmental Conditions	Operating temperature -20 to 50°C, storing temperature -40 to 70°C, relative humidity 5 to 95%, not condensing
ESD	±15 kV air discharge, ±6 kV conductive discharge
Drop Specification	Multiple 1.5m drops (at least 20 times) to the concrete across the operating temperature range
Protection Class	IP65

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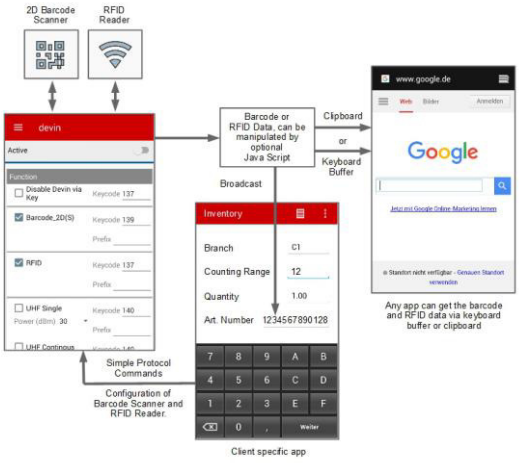
Android Apps for LogiScan-15xx/17xx/2000

devin

Barcode and RFID Management

The Android app devin allows the transfer of the scanned barcode scanner or RFID reader data of an android-based LogiScan to the keyboard buffer or the clipboard. Alternatively, a broadcast message is possible. Thus, the bar code scanner and RFID reader can serve as a data source for each app.

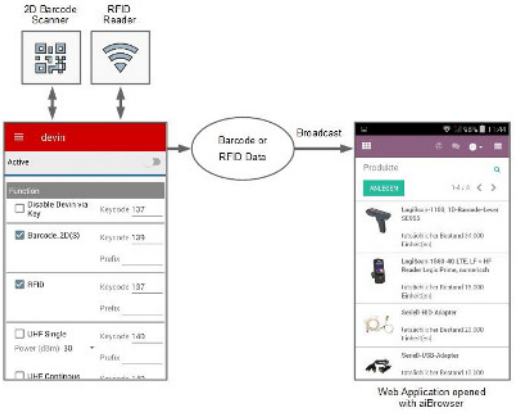


- Each input device can be activated separately.
- To each input device a key code (can be determined with the Keyboard app from the AppCenter) and a prefix can be assigned.
- If barcodes and RFID tags are to be provided for any existing applications and web pages that do not have any influence on programming, the keyboard buffer is recommended. That means that barcodes and transponder tag IDs appear as keyboard input for the app.
- Prefixes and suffixes can be defined common for all input devices.
- The passed string can be completed with Enter or Tab.
- Scanned data can be output as a message.
- Apps can change the scanner settings.
- If no bar code read and this option is enabled, the scanner turns off when you release the button, if the other switches off after a timeout..

aiBrowser

HTML5 Android Web Browser for Barcode and RFID Applications

The Android app aiBrowser interacts with the Android app devin and allows the transfer of the scanned barcode scanner or RFID reader data of an android-based LogiScan into web applications. The aiBrowser is HTML-5 compliant and is useful for modern JavaScript-based web applications (such as Microsoft Dynamics NAV). The optional kiosk mode prevents access to the system.



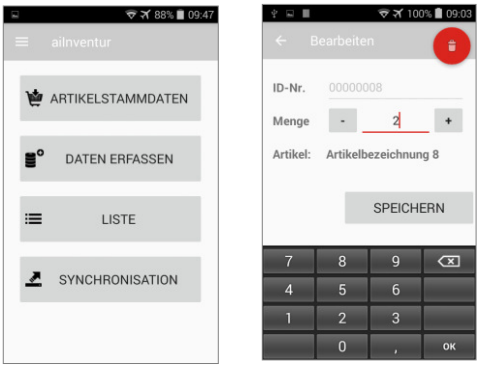
The aiBrowser offers, among others, the following functionality:

- Default URL to be called when aiBrowser is started can be set.
- Transfer of the scan data using JavaScript function call or by KeyUp / KeyDown events.
- Auto-login functionality for password-protected web pages.
- Save and load the settings into / from configuration file.

aiMDE

Demonstration of Barcode Scanner and RFID Reader, performing simple Inventory

The Android app aiMDE interacts with the Android app devin. aiMDE is used for the demonstration of barcode scanners and/or RFID readers and can be used for simple inventory with android based LogiScan.



aiInventur offers inter alia the following functionality:

- Load item master data.
- Entry of item number and quantity.
- View the list of collected data.
- Correction of captured data.
- Data synchronization with FTP server or Windows software MTPWin.

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Accessories

AC Adapter
Art. No. 30900021

USB C Cable to USB Type A
Art. No. 80034006

Rugged Rubber Boot
Art. No. 30901050

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