aitronic

Android 8.1

1D/2D Barcode Scanner

5 Inch Display

NFC

LF/HF RFID

Fingerprint Sensor

4G/LTE

GPS

Camera

USB

Bluetooth 4.0

WLAN

LogiScan-1710-8

Compact Terminal

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

LogiScan-1710-8

This Android-based mobile computer features a powerful octa-core processor, stable wireless connectivity (4G LTE, Wi-Fi, Bluetooth), a high-resolution camera, accurate GPS, NFC, LF/HF RFID, 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 78.8 x 17 mm (L x W x H), 288 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, 5000 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
Betriebssystem, SDK, Language, Tool	Android 8.1, Software Development Kit, Java, Android Studio
WLAN	IEEE802.11 a/b/g/n/ac, 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	Rear: 13 Megapixel, auto focus, with flash, Front: 5 Megapixel
Sensors	Gravity sensor, light sensor, proximity 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.
NFC	13.56 MHz, Protocol: ISO/IEC 18092 (ECMA 340) und ISO/IEC 21481 (ECMA 352), range 2 - 4 cm
RFID LF/HF Reader Standard or LEGIC (optional)	Supported transponder tag types see next page
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
Drop Specification	Multiple 1.8 m drops to the concrete across the entire temperature range and 1000 0.5 m drops at room temperature
Protection Class	IP67

RFID LF/HF Reader Module

Supported Transponder Tag Types

		Tag Type	Reader Type	
			Standard	LEGIC
13,5 MHz	**ISO14443A**	LEGIC Advant	✓ 1)	✓
		MIFARE: Classic/DESFire EV1/Mini/Plus S & X/Ultralight/Ultralight C &	✓	✓
		MIFARE Classic EV1	✓ 5)	✓ 5)
		MIFARE DESFire EV2	✓ 5)	✓ 5)
		MIFARE Pro X, Smart MX	✓ 6)	✓ 6)
		LEGIC Prime		✓
		NTAG2xx, SLE44R35	✓	✓
		PayPass	✓ 6)	✓ 6)
		SLE66Rxx (my-d move)	✓ 6)	✓ 6)
		Topaz	✓	
	ISO14443B	Calypso, CEPAS, Moneo	✓ 6)	✓ 6)
		Calypso Innovatron protocol	✓ 5)	
		Pico Pass	✓ 2)	✓ 1)
		SRI4K, SRIX4K, SRI512, SRT512	✓	
		HID iCLASS	✓ 1)	✓ 1)
	ISO18092 / ECMA-340	NFC Forum Tag 1-5	✓	
		NFC Peer-to-Peer, NFC active and passive communication mode	✓	✓
		Sony FeliCa	✓ 7)	✓ 7)
		Passive peer-to-peer mode - initiator, NFC Tag 2/3/4		✓
	ISO15693	EM4x33, EM4x35	✓ 6)	✓ 6)
		HID iCLASS, HID iCLASS SE/SR	✓ 1)	✓ 1)
		ICODE SLI, Tag-it	✓	✓
		LEGIC Advant	✓ 1)	✓
		M24LR16/64	✓	✓
		MB89R118/119	✓ 12)	
		SRF55Vxx (my-d vicinity)	✓ 6)	✓ 6)
		Pico Pass	✓ 2)	✓ 1)
		LEGIC Prime	✓	✓
125 kHz / 134,2 kHz		AWID, Cardax, CASI-RUSCO, FDX-B	✓	✓
		Cotag	✓	
		Deister	✓ 9)	✓ 9)
		EM4100, 4102, 4105, 4050, 4150, 4450, 4550	✓	✓
		EM4200	✓ 12)	✓ 12)
		EM4305	✓ 4)	✓ 4)
		G-Prox	✓ 9)	✓ 9)
		HID iCLASS Elite & SE Elite	✓	
		HITAG 1, 2, S	✓ 8)	✓ 8)
		ICT	✓ 4)	✓ 4)
		IDTECK	✓	✓
		Isonas	✓ 4)	✓ 4)
		Keri, Miro, PAC, Pyramid, Q5, UNIQUE	✓	✓
		Nedap	✓ 9)	✓ 9)
		T5557, T5567, T5577	✓	✓
		TIRIS/HDX	✓	✓
		TITAN (EM4050)	✓	✓
		ZODIAC	✓	✓

1) UID only 2) UID Only, read/write on request 3) on request 4) r/w, enhanced security features on request 5) r/w in direct chip command mode 6) UID + r/w public area 7) without crypto 8) hash value only 9) UID + PAC (CSN & Facility Code), r/w on request 10) only emulation of 4100, 4102 11) supported by TWN4 MultiTech 2/3 BLE and TWN4 MultiTech Nano only 12) not supported by TWN4 MultiTech HF Mini 13) AES only
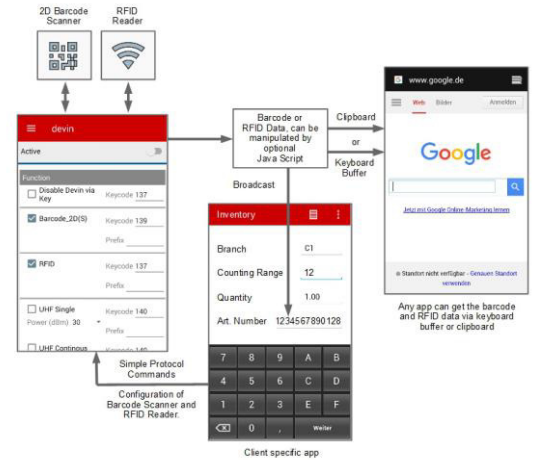
devin
Barcode and RFID Management

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.
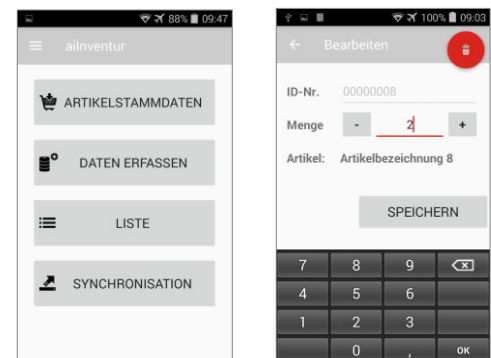- Save and load the settings into / from configuration file.

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.

Docking Station
Used to charge the LogiScan-1710
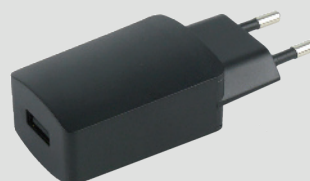Data can be exchanged via USB
or LAN (optional)
Art. No. 30900023 (with USB/LAN)
Art. No. 30900035 (only charging function)

AC Adapter
Art. No. 3090021

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