



It's not a mobile computer but then... it's not just a scanner!

Behind the **Triskan TS8** Handheld-scanner lie 5 different generation of bar-code scanners and terminals.

The design of the device is based on customer feed-back, comparison with similar products, deployment scenarios and the expert knowledge and experience from our previous development projects. It took approximately 1 year to produce the first unit.

The result, a small compact unit which, in comparison to Windows Mobile or PDAs' boots in 7 seconds, and less battery consumption due the smaller software applications. An additional protection for the display, compact and protected keyboard, low weight, easy to change slide-and-lock battery gives the unit a robust appearance. The unit itself could have been designed even smaller than it is however the convenience and ergonomics of the unit came before; "as small as possible"

Triskan TS8 is a **mobile terminal-scanner**, which communicates with a server and sends information directly to a remote database. Depending on the operation, all scanner programmes run on a central server and the **Triskan TS8** only displays the information received from the server. This solution ensures always a fast and secure programme upgrade/update for all the units running at the same time on the same programme.

Triskan TS8 can also be used as a **mobile standalone scanner** – when the connection to the server is not required or available (no

WLAN or GPRS connection). Then all data is stored on a micro SD-card ready to be transferred to a PC or database as soon as the connection is restored.

The **Triskan TS8** can be integrated to different networks, with existing server infrastructures and real-time information systems.

Scanning/Reading Modules

The **Triskan TS8** terminal scanner is equipped with one of the following reader modules.

- 1 D Laser bar code reader (supports most common codes including EAN, Code39, Code128).
- 1 D and 2 D bar and data matrix code reader with CCD camera
- HF RFID tag reader
- UHF RFID tag reader
- Chip card reader
- Combined 1 D laser bar code and HF RFID tag reader
- Combined 1 D laser bar code and UHF RFID tag reader

Scalable platform – reading modules (heads) can be simply changed in accordance with customers needs.

Connectivity

Scanner works in GPRS or WLAN 802.11b/g/n network and has a built-in Bluetooth module.

Colour OLED Display

This is the first mobile terminal scanner with 2,8" OLED (organic light emitting diode) colour display.

Advantages of OLED: clear information distribution, great range of colours, fine adjustment of brightness, high contrast and very good viewing angle in any light conditions.

Ergonomic Keypad

Triskan TS8 is equipped with an ergonomic keypad similar to that of a mobile phone, enabling the user to access the input keys one-handed without strain. The illuminated keypad gives an additional visual assistance where the light conditions are not so good. The dome sealed keys are strategically placed to reduce user fatigue and facilitate access to most frequently used keys.

Power Unit

The **Triskan TS8** features an industrial standard, Slide-and-lock Battery pack with a built-in charger. A standard 5V wall-mount power supply is used to charge the 2000mAh high-capacity battery. The battery can be charged separately or via the USB-port. Using an extended **Triskan TS8** model the battery can be ex-changed within 20 seconds without loss of data or connection..

Micro SD-card

An optional up to 2 GB micro SD-card enables to store, update applications or data directly on the scanner.

Applications

The standard **Triskan TS8** mobile terminal scanner comes with a PLE-protocol terminal client firmware. The **Triskan TS8** uses PLE-protocol for connecting to the application servers via GPRS or WLAN.

Developers can create new applications running on server or locally on the **Triskan TS8** device. Two different packages for developers are available;

- Software Application Development Kit (SADK) – supports, simplifies server (back-end) PLE application development and enables rapid deployment of **Triskan TS8** terminal scanners. SADK is the framework provided by Artec for building the JAVA-based server applications for **Triskan TS8** PLE terminal scanners.
- Firmware Development Kit (FDK) – available for developers and integrators who want to create custom applications running on **Triskan TS8** mobile terminal scanner making it possible to develop applications with local databases for offline systems.

SADK package can be downloaded from www.artecgroup.com/triskan_sadk

Application running on terminal-scanner with adopted operation system, starts within 7 seconds.

Advantages:

Triskan TS8 can be customized easily in accordance to the organization's information reading/scanning requirements. Changing the barcode system or even switching to RFID does not mean the purchase of new scanners! The organization can minimize the costs simply by changing the devices reading module (head) instead of investing into new complete scanners/readers.

Sales and Support

Sales, support and maintenance is provided by Artec Group's approved service providers.
www.artecgroup.com/distributors

Technical Information

Triskan TS8

Display	Colour 2.8" QVGA, OLED, 320x240 pixels
OS	Embedded Linux 2.6
Battery	2000mAh Li-Ion, smart battery pack with built-in charger
Keypad	Back-light, 23 dome sealed keys
Service connector	mini USB
Dimensions L/W/H (mm)	194 x 78 x 32mm
Weight with Battery	250gr.
Operating temperatures	-5 +55 C
Communication modules	TS8G11 = GPRS
	TS8W11 = WLAN
Scanning modules	
	TS8RB1 = 1D laser bar code reader
	TS8RB1R1= 1D laser bar code reader + HF RFID tag reader
	TS8RB2=1D and 2D bar and data matrix code reader, with CCD camera
	TS8RC1=ChipCard reader

Standard configuration

Code	Device	Communication modules	Scanning modules
TS8-1100	TS8	TS8-G11 – GPRS	TS8RB1 – 1D laser barcode reader
TS8-1100	TS8	TS8-G11- GPRS	TS8RB1 – 1D laser bar code reader + HF RFID tag reader
TS8-1200*	TS8	TS8-G11- GPRS	TS8RB2 – 1D/ 2D bar/matrix code reader With CCD camera
TS8-1001*	TS8	TS8-G11- GPRS	TS8RC1 – ChipCard reader
TS8-5100	TS8	TS8-W11- WLAN	TS8RB1- 1D laser bar code reader
TS8-5110	TS8	TS8-W11- WLAN	TS8RB1R1- 1D laser bar code reader + HF RFID tag reader.
TS8-5200*	TS8	TS8-W11- WLAN	TS8RB2 – 1D and 2D bar code reader and data matrix code reader with CCD c
TS8-5001*	TS8	TS8-W11- WLAN	TS8RC1 – ChipCard reader

*on demand