



i.safe MOBILE Selects Zebra OEM Imager Scan Engines to be integrated into first hand-held long-range barcode scanner IS-TH1xx.1 for use in hazardous areas

Focus Sectors:

Oil, petrochemical, pharmaceutical, food industry, mining, utilities, municipalities, energy provider

Challenge:

i.safe MOBILE developed, in a development process over one year together with the Zebra OEM team an Ex-approved multifunctional device to meet customer and market needs for high-speed, high-volume scanning in **Zone 1/21 & Class I, II, III Div 1 to Zone 2/22 & Class I, II, III Div 2** hazardous areas and integrated the reliable Zebra OEM Imager Scan Engines for advanced processing capabilities in hazardous areas.

Solution/Product:

IS-TH1xx.1 in combination with **IS530.x**
Zebra OEM SE4850 Extended-Range (ER) Imager Scan Engines
Zebra OEM SE4750 Mid-Range (MR) Imager Scan Engines
Zebra PL5000-Series hardware decoder chip

At a glance:

Due to diverse customer enquiries and the endeavour to always bring very customer- and future-oriented devices and technologies onto the market, i.safe MOBILE has developed the IS-TH1xx.1, the first hand-held barcode scanner for use in hazardous areas and industrial environments in the non-hazardous area. The German company's new product incorporates scanning technology from market leader Zebra and is available for two ranges: A mid-range variant for scans up to 6 metres and an extended range variant for scans over 15 metres. It is unique in that the Trigger Handle is hardwired to its Ex-smartphone and is completely passive. The IS-TH1xx.1 does not have Bluetooth connectivity or a battery, with power and data being generated or processed by the smartphone, and no need to update or charge the Trigger Handle.

Especially for companies and organizations of the sectors oil, petrochemical, pharmaceutical and food industries, as well as mining, utilities, municipalities and energy providers this new development represents real added value - this multifunctional all-in-one device saves companies huge costs for multiple devices (mobile phones, tablets and scanners) and employees are faster and more flexible in their jobs.

i.safe MOBILES's IS-TH1xx.1 Trigger Handle is very versatile device, users just slide on their i.safe MOBILE IS530.x multifunctional smartphone, connect the ISM interface and start the scanning process. Thanks to the HID factory setting, the captured 1D/2D barcode is immediately recognised and processed as a keyboard input. In addition to the wide range of scanning and data processing options, the functional 13-pin ISM interface allows, among other things, passive remote speaker microphones (RSM) or PTT headsets to be connected to the smartphone.

The multifunction set is based on Android as its operating system. Due to the Google Android Enterprise Recommended verification of the smartphone, the high-performance scanner set guarantees secure, mobile data management, compared to alternative systems.

The IS-TH1xx.1 is the first approved long-range HazLoc scanning solution for Zone 1/21 & Class I, II, III Div 1 featuring Zebra imager scan engines. Depending on customer requirements the IS-TH1xx.1 is available in two different versions: The IS-TH1MR.1 with Zebra SE4750 MR for ranges up to 6 m and the IS-TH1ER.1 with Zebra SE4850 ER for ranges above 15 m. Both types are also available in a rugged version for non-Ex industrial areas.

Although the Trigger Handle is currently designed just to house the i.safe MOBILE IS530.x smartphone, it could easily be adapted to house other devices in the future, including RFID possibilities.



i.safe MOBILE GmbH

i_Park Tauberfranken 10, 97922 Lauda-Koenigshofen, Germany
info@isafe-mobile.com

www.isafe-mobile.com