

Z710-Ex



THORNE &
DERRICK
INTERNATIONAL

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WIDER RANGE OF DATA

A 1D/2D Imager barcode reader, HF RFID reader and 5 mega-pixel auto-focus camera helps the Z710-Ex to capture a wider range of data on the move.

COMPREHENSIVE CONNECTIVITY

GPS, 3.5G WWAN (HSPA+) for voice and data communication as well as WiFi and Class 2 Bluetooth 2.1 with EDR, combine to provide faster, more reliable speeds for efficient data delivery in real time.

CERTIFICATION

ATEX



II 3G Ex ic IIC T5 Gc

II 3D Ex ic IIIB T100°C Dc

PINPOINT ACCURACY

With integrated SiRFstarIV™ GPS, E-compass and 3-axis accelerometer technologies the Z710-Ex enables field surveyors to determine their exact location quickly and collect accurate cadastral / geographical information.

MORE THAN TOUGH ENOUGH

MIL-STD-810G and IP65 certified with 6 feet drop and a wide range of operating temperatures from -20°C to 50°C, able to operate without interruption under the toughest of conditions.

Z710-Ex

FULLY RUGGED TABLET

ZONE 2 / 22

RUGGED YET RESPONSIVE

- Explosive atmosphere ATEX certified (ATEX Zone 2/22)
- Android 4.1 Professional Operating System
- Optional 3.5G WWAN for data and voice communication
- Optional 1D / 2D Imager Barcode Reader and RFID



- 7" LumiBond™ Display with Getac QuadraClear™ Sunlight Readable Technology and Glove-enabled Capacitive Touchscreen
- 6 Feet drop specified and IP65 certified
- SiRFstarIV™ High Sensitivity GPS

A TOUCH OF GENIUS

GORILLA® GLASS

By using Gorilla® Glass 2, we ensure the screen withstands knocks, falls and scratches. It provides better touch responsiveness and brighter images without sacrificing damage resistance.



WORLD'S FIRST 7" GLOVE-ENABLED TOUCH-SCREEN WITH SUPERB SENSITIVITY

The new Getac Z710-Ex brings the world's first capacitive touch-screen, with Getac proprietary LumiBond™ technology, Gorilla® Glass, capacitive touch sensor and LED panel with OCR (Optical Clear Resin), which provide unprecedented touch sensitivity even with gloves on!



REDEFINE TECHNOLOGY IN THE FIELD

The connectivity and communication capabilities of the Z710-Ex boost productivity by allowing unprecedented mobility across field service, field sales and asset diagnostic tasks. The enhanced 10-hour battery life extends operating time without the need for recharging. The Z710-Ex is changing the game by bringing a touch of genius into field applications.

GRAPHICS INTENSE APPLICATIONS

With its sunlight reflective 7 inch display, the Z710-Ex offers the best qualification for graphics intense applications. Documents can be viewed with ease, enabling users to access relevant data such as maintenance applications.

While servicing a piece of equipment, maintenance sheets or circuitry documentation can be downloaded instantly to give the operator all relevant information to carry out the service. Enabling the user to get more done in less time. In case a damaged part is found, it can be documented with a built-in 5 megapixel camera, which allows the image to be transmitted via WWAN for instant analyses for a quick response.

In production facilities – e.g. in the chemical industry – accuracy of data is of great importance. Errors can be costly and even dangerous. This, is where the Z710-Ex can be a very helpful tool. It helps to identify individual substances within a container. A check against a product's formula verifies accurate consistencies, which ensures safety, product quality and avoids expensive errors.

Z710-Ex

SKU IDENTIFIER	PRODUCT DESCRIPTION
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Z710 -EX BASIC

A0003930		Z710-Ex Basic
A0003940		Z710-Ex Basic incl. 1D / 2D Imager
A0003941		Z710-Ex Basic incl. HF RFID Scanner
A0003942		Z710-Ex Basic incl. 1D / 2D Imager and HF RFID Scanner

Z710-EX PREMIUM WITH WWAN

A0003931		Z710-Ex Premium
A0003943		Z710-Ex Premium incl. 1D / 2D Imager
A0003944		Z710-Ex Premium incl. HF RFID Scanner
A0003945		Z710-Ex Premium incl. 1D / 2D Imager and HF RFID Scanner



ACCESSORIES

ACCESSORY IDENTIFIER	DESCRIPTION	
A0003932	Z710-Ex AC Adapter Set with US/EU/UK/CHN/ANZ Plug	
A0003939	Z710-Ex Office Dock with AC Adapter (EU Power Cord)	
A0003933	Z710-Ex Carry Bag	
A0003934  (only for Zone 2)	Z710-Ex Hand Strap	
A0003935  (only for Zone 2)	Z710-Ex Shoulder Strap	
A0003936	Z710-Ex Vehicle Charger	
A0003937 	Z710-Ex Capacity Stylus & Tether	
A0003938 	Z710-Ex ATEX Rubber I/O Cover	

WHAT IS THE DIFFERENCE BETWEEN ZONE 1 AND ZONE 2?

ATEX Directive 94/9/EC defines **Zone 2** as an area in which an **explosive atmosphere** (a mixture of air and flammable gases, steam or mist) **is not to be expected under normal circumstances or just for a short period of time**. Just one brief hazardous situation per year is enough to rate an area Zone 2. Zone 2 devices provide required ruggedness and fall protection, which ensures safety of use during normal operations without technical failures such as battery short.

An area must be classified **Zone 1** if an **explosive atmosphere can develop occasionally during normal operations**. In that case only Zone 1 certified product must be used, which even in exceptional situations ensures necessary safety in case of failure.

Z710-Ex



SPECIFICATIONS	
Operating System	Android 4.1
Mobile Computing Platform	OMAP 4430 Dual Core 1 GHz
Display	7.0" TFT LCD WSVGA (1024 x 600)
Storage & Memory	1 GB MDDR 16 GB iNAND
Erweiterungssteckplatz	microSDHC (up to 32 GB)
I/O Interface	1 x USB (Client, 2.0) ¹ 1 x USB (Host, 2.0) ¹ 1 x Microphone ¹ 1 x Speaker ¹ 1 x DC in Jack ¹ 1x Docking connector (30-pin) ¹
Communication Interface	Optional 3.5G WWAN (HSPA+/UMTS/EDGE/GPRS/GSM) for data and voice communication 802.11 b/g/n Bluetooth (v2.1+EDR class 2) SiRFstarIV™ GPS (with internal antenna)
Software	File Manager GPS-ECompass Barcode Utility Barcode Config RFID Reader Utility
Power	AC charger (24W; 12V/2A, 100-240 VAC; 50 / 60 Hz) Lithium-Polymer smart battery (7600mAh) (up to 10 hours of battery life) ² Charging time: Sleep mode, approx. 6 hours
Dimension (W x D x H) & Weight	21,8 x 14,2 x 2,7 cm 800 g ³
Field Service Feature	GPS: SiRFstarIV™ HD Web camera 5M pixels auto focus camera E-compass G-Sensor Optional 1D / 2D Imager Barcode reader Optional 13.56MHz RFID and contactless Smart Card Reader (ISO 15693 and 14443 A/B compliant)

¹ USB, DC in Jack, Docking connector, Audio connectors and AC charger must not be operated in hazardous area.

² Battery performance will vary with software applications, wireless settings, power management settings, LCD brightness, customized modules and environmental conditions. Battery life and charge cycles vary by use and settings.

³ Weight varies from configurations and optional accessories.

GPS Sensor Specification	Chipset: SiRFstarIV™ Receiver Type: L1 (C / A) Channels: 48 channels all-in-view tracking Update Rate: 1 Hz Horizontal Accuracy: Autonomous: 2.5 m / 8.2 ft DGPS: 2.0 m / 6.56 ft Cold Start Time: 35 sec average Warm Start Time: 35 sec average Hot Start Time: 1 sec average Reacquisition: 0.1 sec average
Rugged Feature	MIL-STD-810G and IP65 certified Optional ANSI/ISA 12.12.01 Vibration resistant Drop resistant (26 drops from 1.82m / 6ft)
Environmental Specification	Temperature: - Operating: -20 °C to 50 °C - Storage: -40 °C to 71°C Humidity: - 95 % RH , non-condensing
Alphanumeric Data Entry	Soft input panel (SIP) on screen keyboard
Security Feature	WiFi for WPA / WPA2 operation Authentication: OPEN, SHARED-KEY, PEAP Encryption: WEP, AES, TKIP Native software encryption, root protection, IPSec VPN, software security support, network proxy settings, password security (PIN, pattern, password)
Scope of Delivery	• AC charger ¹ • Quick start guide • Capacitive stylus and tether • Wrist strap • Hand strap • ATEX rubber I/O cover ⁴ • ATEX safety precautions manual ⁵

¹ USB, DC in Jack, Docking connector, Audio connectors and AC charger must not be operated in hazardous area.

⁴ The accessories must be used with Z710-Ex in potentially explosive atmospheres to ensure safety.

⁵ Read safety precautions carefully before starting to use the device.



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