



Your workers in the field need a mobile computer to communicate with others and to access information. Only in this way can they work with maximum efficiency and improve service to customers. You would like to provide your staff with an enterprise-class hand-held device that has been designed for field use – your employees, however, expect a device that has the same level of development and which is as easy to use as their own smartphone. The touch computers in the TC 75X^{ex} series meet all of these requirements because they have been optimised for use in business. A tough design for reliable, everyday operation. Access to practically all information in your back-end systems wherever and whenever you need it. The ability to collect more types of data quicker than ever before. Immediate Push-to-Talk communication with field staff, line managers, despatch coordinators and colleagues in the office. 4G LTE support for robust, wireless connections in the fastest mobile phone networks in the world. And an extensive range of accessories which meets the unique demands of practically all mobile employees. The TC 75X^{ex} series – a simple way of equipping your field team with a true mobile office – now also in a potentially explosive atmosphere.

Explosion protection

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| Marking ATEX | II 3G Ex ic op is IIC T5 Gc II 3D Ex ic op is IIIB T100 °C Dc IP 64 |
| Certification | EPS 17 ATEX 1 028 X |
| Marking IECEX | Ex ic op is IIC T5 Gc Ex ic op is IIIB T100 °C Dc IP 64 |
| Certification | IECEX EPS 17.0012X |
| Marking ETL | Class I Div. 2 Groups A, B, C and D Class II Div. 2 Groups F, G Class III Temperature class T4 |
| Certification | 5012876 |
| Other approvals and certificates, see www.bartec.de | |

Technical data

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| Protection class (EN/IEC 60529) | IP 64 |
| Storage temperature | -40 °C to +50 °C |
| Operating temperature | -20 °C to +50 °C |
| Air humidity during operation | 5 % to 85 % (non-condensing) |
| Processor | 1.8 GHz hex core 64 bit |
| RAM | 4 GB RAM |
| System memory | 32 GB Flash pSLC |
| Expansion Slot | User accessible MicroSD - up to 32GB SDHC and up to 64 GB SDXC |
| SIM | 2 Nano SIM slots (4FF), 1 mini SIM (2FF) |
| Operating system | Android 7.0 (Nougat) with Mobility Extensions |
| Size | 4.7", bonded |
| Resolution | 1280 x 720 pixels |
| Touch function | Dual mode capacitive touch with stylus or bare or gloved fingertip input; Corning Gorilla Glass |
| Wireless communication | |
| WLAN-WiFi | 2 x 2 MIMO, IEE 802.11 a/b/g/n/ac/d/h/i/k/r/w Functions: Voice-over-IP capability, Wi-Fi Multimedia (WMM), Soft AP, MIMO with 2 Spatial Streams |
| Bluetooth | v4.1 LE (Low Energy) |
| GPS | Integrated Autonomous Assisted GPS (A-GPS), Navstar, GLONASS, Beidou |
| WWAN | Worldwide: LTE: 700,800/850/900/1800/2100/2600 (FDD 28,20,5,8,3,1,7) UMTS/HSPA/HSPA+: 850/900/1900/2100 GSM/GPRS/EDGE: 850/900/1800/1900 North-,Middle- and Southamerica: LTE: 700/850/1900/AWS/2100, (FDD 13,12,17,5,26,225,4,1) UMTS/HSPA/HSPA+: 850,900,AWS,1900,2100 GSM/GPRS/EDGE: 850/900/1800/1900 CDMA: 850,1900(BCo,BC10,BC1) |



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| Data capture RFID Reader HF/NFC | Following RFID tags are supported: ISO 1443 type A and B; Felica- and ISO15693-card. P2P-mode and Card Emulation via UICC and Host |
| Barcode scanning 1D/2D Imager (SE4750-SR from ZEBRA) | Range: Scan range - Code 39 barcode: 0.51 mm: 4.5 cm to 81.3 cm 0.08 mm: 7.9 cm to 14.2 cm Readable 1D codes: Code 11, Code 39, Code 93, Code 128, Codabar, Coupon Code, Chinese 2 of 5, Discrete 2 of 5, EAN-8, EAN-13, Interleaved 2 of 5, MSI, UPCA, UPCE, UPC/EAN supplementals, Trioptic 39, RSS-14, RSS Expanded, RSS Limited, Webcode Readable 2D codes: Aztec, Australian 4-state, Canadian 4-state, Composite AB, Composite C, PDF-417, Data Matrix, Dutch Kix, Japanese 4-state, Macro PDF-417, (Macro) Micro PDF-417, Micro PDF-417, microQR, Maxi Code, QR Code, TLC39, UK 4-state, US Planet, US Postnet, USPS 4-state (US4CB) |
| Voice and audio | Three microphone support with noise cancel- lation; vibrate alert; speaker; Bluetooth wireless headset support, High quality speaker phone; PTT headset support; Cellulat circuit switch voice; HD Voice |
| Externe I/O | only for use outside potentially explosive atmospheres USB 2.0 High Speed (Host and Client) 1 x Cradle Connector (OTG host, data exchange and charging) 1 x Port (PoGo Pin) for 2-slot charger |
| Buttons | 1 x on/off button 1 x function button 1 x scan button 2 x volume buttons (+/-) 4 x capacitive function buttons (home, menu, ESC, search function) |
| Notifications | Audible tone: multi-color LEDs; vibration |
| Sensors | Light sensor: automatically adjusts display backlight brightness Motion sensor: eCompass, 3-axis Gyro, 3-axis accelerometer |
| Camera | 13 MP autofocus camera and LED flash 1.3 MP camera |
| Size (L x W x H) | 161 mm x 84 mm x 28 mm |
| Weight | 376 g with battery |
| Battery (Typ B7-A2Z0-00..) | Lithium polymer battery 3.7 V/4620 mAh (1S/2P) Battery change function Must only be changed and charged outside potentially explosive atmosphere. |

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| Software | No functional changes were made to the device due to the explosion protection. All tools and applications available from ZEBRA for the TC75 are compatible with the TC75 ^{ex} version. e.g. applications for: - communication and message exchange - Additional Mobility DNA solutions from ZEBRA (Enterprise Keyboard, Stage Now, Enterprise Browser, Enterprise Start Screen, SimulScan, and more) |
| USB charging adapter | Input voltage: AC 100 to 240 V Output voltage: DC 5 V/1 A/5 W |
| Warranty | 1 year |
| Service agreements | available on request |
| Scope of delivery | Touch Computer TC 75X ^{ex} -NI Battery Hand strap Quick start guide |

Ordering information

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| TC 75X ^{ex} -NI with 4G/LTE US + Canada | B7-A264-1E32/33211100 |
| TC 75X ^{ex} -NI with 4G/LTE LATAM (without Brazil) | B7-A264-1F32/33211100 |
| TC 75X ^{ex} -NI with 4G/LTE EMEA/APAC | B7-A264-1G32/33211100 |

Technical data subject to change without notice.