



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

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

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 8.0 (Oreo) 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)



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.

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

TC 75X ^{ex} -NI with 4G/LTE US + Canada	B7-A264-1E32/332111
TC 75X ^{ex} -NI with 4G/LTE LATAM (without Brazil)	B7-A264-1G32/332111
TC 75X ^{ex} -NI with 4G/LTE EMEA/APAC	B7-A264-1F32/332111

Technical data subject to change without notice.