BARTEC

TC78^{ex}–NI Touch Computer

for Zone 2/Div. 2 hazardous areas



The ultra-rugged mobile computer re-imagined for the new age of mobility in hazardous areas.

Introducing the TC78ex-NI, a new generation of touch computer designed for a new generation of mobile solutions.

Streaming video, video calls, intuitive multimedia-rich apps, augmented reality apps that enable new, more effective workflows - the rugged, thinner, and lighter TC78ex-NI supports them all. More processing power for simultaneous app support. A 6-inch advanced display. Comprehensive wireless network support for unmatched performance and reliability - Wi-Fi 6E, 5G and CBRS[1]. Bluetooth 5.2 for superior accessory performance. Crystal clear voice on audio and video calls. And finally, next level in scanning performance with the SE55 Advanced Range scan engine.





[1] CBRS is available in the US only

Loaded with all the latest technologies

Blazing speed

Run simultaneous demanding applications with virtually instant response times with class-leading processing power, memory and storage. The next generation Qualcomm 6490 octa-core processor delivers 90% more processing power, a 400% faster graphics processor, and locationing that is six times more accurate[2].

More rugged, lighter, thinner - and more ergonomic[3]

Advanced manufacturing and materials technologies enable a more rugged design – without adding weight or thickness. The TC78^{ex}-NI is built to handle 10 ft./3.05 m drops to concrete and 2,000 consecutive tumbles. With IP65 and IP68 sealing, it's dustproof and waterproof – submerge it in water and spray it down with a hose. Corning Gorilla Glass protects the display and imager window with maximum scratch-resistance and shatter-proofing – two of the most crucial and vulnerable features. The advanced industrial design and ergonomics bring superior comfort to practically any size hand, minimizing the effort required to hold and use these devices through exceptional balance, a grip area that is nearly 20% thinner and proper key placement and size.

Industry-leading 6-inch advanced display

More display space means less scrolling. The edge-to-edge display is 28% larger[3], easy to view indoors and outside, works when wet and with a stylus or a finger – even with a glove.

All the latest wireless connections

Give your workers the fastest speeds with Wi-Fi 6E, 5G and CBRS. Wi-Fi 6E is three times faster and supports four times the number of devices, all with less power. 5G brings wired speeds to wireless networks, plus better signal quality and strength. And support for CBRS private LTE networks enables cost-effective wireless connectivity in the largest indoor and outdoor facilities.



[2] Compared to the Qualcomm SD660 processor
[3] Compared to prior generations of the TC7X family



Superior flexibility with Bluetooth 5.2

Better audio quality improves the experience for callers on both ends of a call. Lower power requirements extend battery cycle times. And enable unique business collaboration solutions – connect one Bluetooth device to multiple host devices simultaneously or connect multiple Bluetooth devices to one host.

High performance scanning for every job

The SE55 1D/2D Advanced Range scan engine with IntelliFocus™ technology enables the capture of barcodes in hand and as far as 480.3 inch (12.2 m) away[4] — without bending down or climbing ladders. The scan button is rated for one million actuations. The scanner captures barcodes in virtually any condition and lighting. And with Mobility DNA's Simulscan NG, capture all of the barcodes you need on an item or package with one press of the scan button — and capture and process information on documents, including signatures, and barcodes.

Capture ultra-high resolution photos and video intelligence

The 16 MP integrated camera offers the highest resolution in its class. The flash LED generates balanced white light. High Dynamic Range (HDR) captures details even in the lightest and darkest areas of the photo.

Hear every word on every call

Get superior audio quality with three integrated microphones with noise cancellation, two speakers for loudness, a high quality speakerphone and HD Voice, including Super-wideband (SWB), Wideband (WB) and Fullband (FB).

[4] Distance dependent on symbology type and size

Drive workforce productivity and device value to a new level with Mobility DNA

Simplify device integration
Create rich apps that take full advantage of your device's capabilities with Enterprise Mobility Management Tool Kit. Build feature-rich web applications with Enterprise Browser. And easily capture and integrate barcode data into your apps without writing any code with DataWedge API.

Increase device security
Keep your devices secure every day they are in service with LifeGuard™ for Android™. And restrict apps and device features with Enterprise Home Screen.

Deploy devices quickly and easily
Let your devices provision themselves right out of the box with Zebra Zero-Touch. Stage a handful or thousands of devices with a scan of a barcode or tap on an NFC tag with StageNow.

Make device management simple and easy
Locate missing devices quickly and easily with Device Tracker. Get dependably superior Wi-Fi connections with Wireless Fusion. Control which Google Mobile Services are active on your devices with GMS Restricted Mode. Eliminate unnecessary trips to the repair depot with Device Diagnostics and RxLogger. Enable your EMM to support even the newest features with OEMConfig. And add features to give Android the enterprise-class functionality you need with Mobility Extensions (Mx).

Increase on-the-job productivity
Make data entry as easy as possible – give workers a soft keypad designed for your data with Enterprise Keyboard. Capture standardized data with OCR Wedge – such as drivers licenses and license plates. And convert 'green' screens to intuitive all-touch modern screens with All-touch Terminal Emulation.



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