BARTEC

Touch Computer TC26ex-NI

Datasheet

The ultimate cost-effective touch computer built for small and big business. Choose the connectivity your workers need and the features that will allow your workers to improve task accuracy and on-the-job efficiency.

The TC26ex-NI is a lightweight and easy to operate Touch Computer for your rugged environment and built to deliver the unstoppable performance you need. The TC26ex-NI is built for rugged conditions with the quality, features and capabilities to support efficient operations for multiple applications and industries. They include a high-resolution 13-megapixel camera, large 5-inch HD touchscreen and removable/replaceable batteries. Plus, they stand up to tough conditions. Drops to concrete, snow, rain, heat, freezing cold - the waterproof and dustproof TC26ex-NI can handle it all.

Powerful complimentary Mobility DNA tools are pre-loaded and ready to use, making it easier to stage, secure and troubleshoot devices; capture and send data to your applications right out of the box; and more. 4G LTE support for robust, wireless connections in the fastest mobile phone networks in the world. And a range of accessories which meets the unique demands of practically all mobile employees. The TC26ex-NI – a simple way of equipping your field team with a mobile device – now also in hazardous areas!

The TC26ex-NI is approved for NEC Class I, II, III Div.2.
Further local certifications are possible on customer request.

Explosion protection

Marking NEC	Class I Division 2 Groups A, B, C and D Class II Division 2 Groups F and G Class III Division 2; T4
Certification	E321557
	Other approvals and certificates, see bartec.com

User environment

Operating temperature	-10 °C to +50 °C (14 °F to 122 °F)
Charging temperature	0 °C to +40 °C (+32°F to +104°F)
Storage temperature (without battery)	-30 °C to +70 °C (-22 °F to 158 °F)
Relative humidity	5 % ~ 95 % (non-condensing)
Protection class (IEC 60529)	IP 67
Drop Specification	Drops from 1.2 m (47.2 inch) to concrete per MIL-STD 810G across operating temperature
Tumble Specification	300 tumbles from a height of 0.5 m (19.7 inch)

Technical data

Processor	Qualcomm Snapdragon™ 660 Octa-Core, 1,8 GHz
Memory (RAM)	4 GB
Mass storage	64 GB Flash
Storage expansion	User accessible MicroSD,up to 128 GB
SIM	1 Nano SIM slot
Operating system	Android 11 Delivered as GMS (Google Mobility Services) version Hardware supports future Android versions (up to Android 14) Configuration: Zebra's "Restricted Mode" can be set via StageNow, for control over Google Mobile Services (GMS) and other services
Size (W x L x H)	158 x 79 x 13.7 mm (6.22 x 3.11 x 0.54 inch)
Weight (with battery)	236 g (0.52 lb)
Display	5" color HD, LED backlight
Resolution	1280 x 720 pixels
Front glass	Corning Gorilla glass
Touch function	Capacitive Touch Panel; multi-touch
Usability	With Stylus or bare or gloved fingertip input
Battery	Lithium ion battery 3.85 V/3300 mAh Must only be changed and charged outside hazardous areas
Notification	Audible tone: multi-color LEDs; vibration
Audio	Speaker - 1 Watt Voice support (Internal speaker/receiver and microphones)
Buttons	On/off button Scan button on each side Volume button (+/-) Push-to-talk calls (PTT)
External I/O	only for use outside hazardous areas: 2-pin I/O connector on the back

Sensors	Light sensor: Automatically adjusts display backlight brightness Motion sensor: 3-axis accelerometer with MEMS Gyro Proximity Sensor: Automatically detects when the user places the Touch Computer against head during a phone call to disable display output and touch input.
Barcode capture	– SE4710-SR: 1D/2D Standard Range Imager – Typical reading range at Code 39 barcode: 4 mil: 8.4 to 22.4 cm (3.3 to 8.8 inch) 20 mil: 5.1 to 76.2 cm (2.0to 30.0 inch) – supported symbologies/barcodes: see table
RFID Reader HF/NFC	Integrated; MIFARE, ISO 14443 A&B , FeliCa , ISO 15693 and NFC Forum supported cards; read range up to 50 mm
Camera	Backside: 13 MP Frontside: 5 MP
Radio Frequency Band	UMTS: B2/B4/B5 LTE: B2/B4/B5/B7/B12/B13/B14/B17/B25/B26/B41/B66 LTE: Category 6
WLAN-WiFi	IEEE 802.11 a/b/g/n/ac/d/h/i/r/k/v/w; Wi-Fi™ certified; IPv4, IPv6, 1x1 MU-MIMO Data Rates: 2.4 GHz: 802.11b/g/n - 20MHz, 40MHz - up to 150 Mbps 5 GHz: 802.11a/g/n/ac - 20MHz, 40MHz, 80MHz - up to 433 Mbpss Operating Channels: Channel 1-13 (2412-2472 MHz): 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13 Channel 36-165 (5180-5825MHz): 36, 40, 44, 48, 52, 56, 60, 64, 100, 104, 108, 112, 116, 120, 124, 128, 132, 136, 140, 144, 149, 153, 157, 161, 165 Channel Bandwidth: 20, 40, 80 MHz Actual operating channels/ frequencies and bandwidths depend on regulatory rules and certification agency Security and Encryption: WEP (40 or 104 bit); WPA/WPA2 Personal (TKIP and AES); WPA3 Personal (SAE); WPA/WPA2 Enterprise (TKIP and AES); WPA3 Enterprise (AES) — EAP-TTLS (PAP, MSCHAP, MSCHAPv2), EAP-TLS, PEAPv0-MSCHAPv2, PEAPv1-EAP-GTC, LEAP and EAP-PWD; WPA Enterprise 192-bit Mode (GCMP-256) - EAP-TLS; Enhanced Open (OWE) Certifications: 802.11a/b/g/n; WPA; WPA2; WPA3 Fast Roam: PMKID caching; Cisco CCKM; 802.11r (Over-The-Air); OKC
Bluetooth	Bluetooth v5.0,Class 2, Bluetooth Low Energy (BLE)
GPS	GPS with A-GPS: Glonass; BeiDou; Galileo
Software	No functional changes were made to the device due to the explosion protection. All tools and applications available from Zebra for the TC26 are compatible with the TC26ex-NI version. e.g. messaging via Workforce Connect PTT Express or the Mobility DNA solutions from ZEBRA
Mobility DNA	Mobility DNA solutions help you get more value out of our mobile computers by adding functionality aswell as simplifying deployment and management of our mobile devices. For more information on these Zebra-only features, please visit zebra.com/mobilitydna

PTT (Push-to-Talk) App	Powered by Zebra Technologies, BARTEC brings the enterprise-class push-to-talk application PTT Pro into hazardous areas. PTT Pro connects your workforce with enterprise-class instant PTT and secure messaging services. It supports direct messaging, image, audio, and video - regardless of whether your users are carrying a BARTEC mobile device in hazardous areas, or their own Android or Windows device in non-hazardous areas. For more information see bartec.com
Warranty	1 year
Scope of delivery	– Touch Computer TC26ex-NI – Battery – Quick Start Guide
Also required	(not included in the delivery) – Base station or battery charging station for charging

Accessories

See datasheet: TC26ex-NI Accessories
It is absolutely necessary to use original accessories from BARTEC !

Ordering information

TC26ex-NI with 4G/LTE for US+ CANADA	B7-A2C2-A211133211NA

Supported Symbologies / Barcodes

1D/Linear Symbol/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
2D Stacked and 2D Matrix Symbol/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)