

**Capturing data.  
Integrating efficiency.  
Enabling digitization.**

Handheld Computer CT50 -Ex  
for Ex-Hazardous Areas

**ecom**

A PEPPERL+FUCHS BRAND



Your automation, our passion.

**pf** PEPPERL+FUCHS



# Handheld Computer

## CT50 -Ex

With support for either **Windows®** or **Android™** operating systems, the CT50 -Ex mobile computer targets highly mobile frontline employees in scan-intensive workflows such as on-demand delivery, field service and customer engagement who require a truly mobile office with the modern conveniences of an all-touch smartphone and the highest degree of future-proofing to speed business agility and lower total cost of ownership.

access to business applications quickly, so workers can more effectively manage a wide variety of tasks throughout the sales cycle.

With the CT50 -Ex mobile computer, network connectivity is no longer a barrier to the benefits of high-performance mobile applications.

[www.ecom-ex.com](http://www.ecom-ex.com)

The **CT50 -Ex mobile computer** is designed to support the most advanced connected mobile user experiences, facilitating large file transfers, video streaming and remote



## PROCESSOR

An industry-leading Qualcomm® Snapdragon™ 801 processor with 2.26 GHz quad-core CPU enables more robust application performance at better speeds and power efficiencies.

## RUGGEDNESS

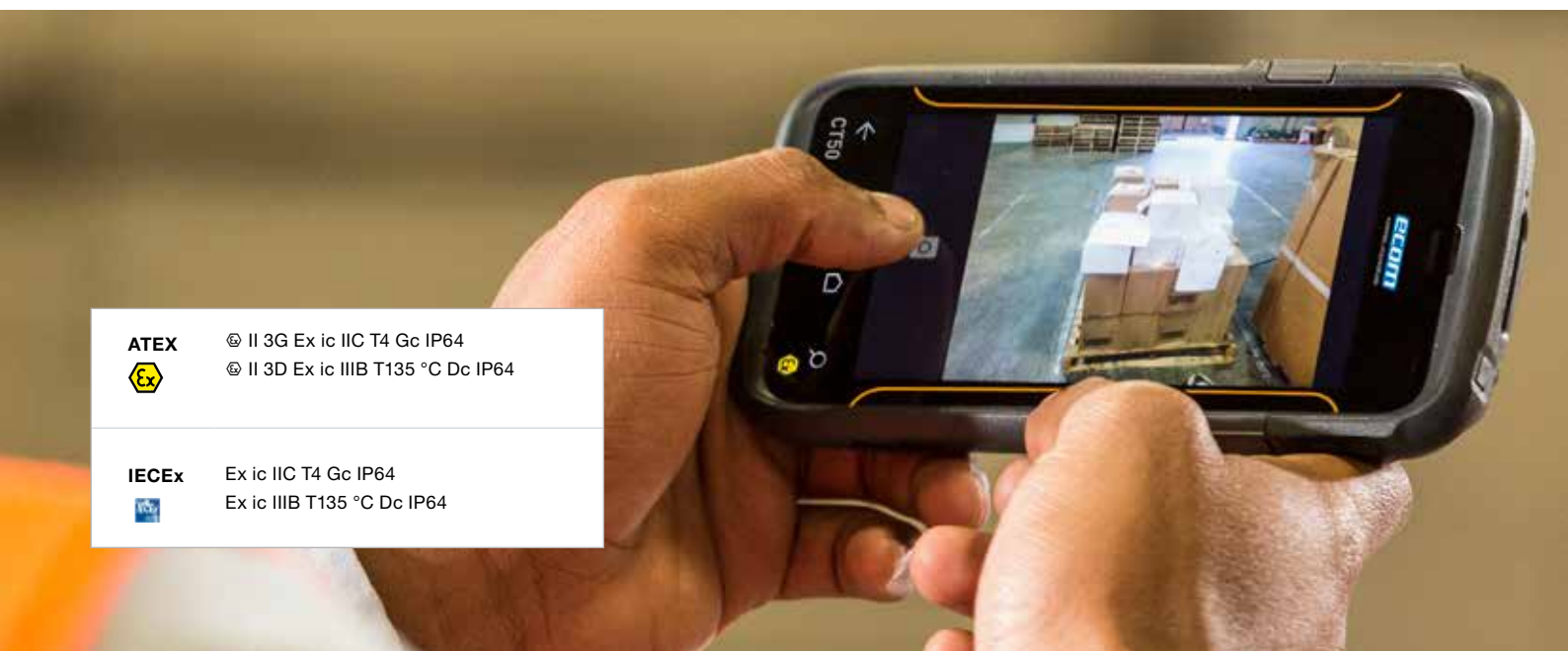
A sleek design yet rugged enough for the toughest work environments with an IP67 rating for protection from dust and water and the ability to withstand multiple 1.5 m drops to concrete and 1,000 1.0 m tumbles.



## PERFORMANCE

A next-generation 2D imager delivers best-in-class data capture performance on linear and 2D barcodes. An optional scan handle provides the flexibility to switch between handheld and pistol grip operations to reduce user fatigue.

## OPERATING SYSTEM

Enterprises can take advantage of the flexible support for either Windows 10 IoT Mobile Enterprise or Android 6.0 Marshmallow.



<b>ATEX</b> 	Ⓢ II 3G Ex ic IIC T4 Gc IP64
	Ⓢ II 3D Ex ic IIIB T135 °C Dc IP64
<b>IECEX</b> 	Ex ic IIC T4 Gc IP64
	Ex ic IIIB T135 °C Dc IP64

The CT50 -Ex offers **enough battery life** to last a full shift and beyond, keeping mobile workers always connected to crucial information to place orders, check stock, look up order status or scan items as they are removed for delivery. Optimized for use in field operations, the mobile computer offers a vivid 4.7 in **Corning® Gorilla® Glass** sunlight-readable display with multiple input modes to save valuable time and minimize data entry errors.

Including a nextgeneration **2D imager**, the CT50 -Ex delivers unparalleled **data capture performance on linear and 2D barcodes**.

## SCOPE OF DELIVERY

- **CT50 -Ex**
- **Battery**
- **Wrist Strap**
- **Stylus Pen**
- **Documentation**

For a detailed list of accessories see the separate available accessories guide.

# Data Sheet CT50 - Ex

## for Zone 2/22

Data Sheet	
SYSTEM ARCHITECTURE	
Operating System	Windows® 10 IoT Mobile Enterprise or Android 6.0 Marshmallow
Processor	2.26 GHz Qualcomm® Snapdragon™ quad-core 801
Memory	RAM: 2 GB, Storage: 16 GB
Display	119.4 mm (4.7 in) in High Definition (1280 x 720) bright color LCD with backlight, outdoor viewable, optically bonded to touch panel
Touch Panel	Rugged multi-touch capacitive touch panel, optically bonded for extra durability and better sunlight viewability. Automatic detection and configuration utilizing mutual and self-capacitance modes for water rejection and use with many off-the-shelf gloves.
Keypad	On-screen keypad, dual-action side scan triggers, Volume up/down, Camera, Power button
Audio	Speaker, T3/M3 HAC-compliant, dual microphone support with noise cancellation. PTT support and Bluetooth® wireless headset support.
I/O Ports	Custom IO connector
Camera	8.0-megapixel color camera with autofocus and advanced software features for better image quality
Sensors	Ambient Light Sensor, Proximity Sensor, Accelerometer, Gyroscope, Magnetometer, Pressure Sensor
Storage Expansion	User-accessible microSD card up to 32 GB (SDHC/SDIO-compliant)
Battery	Li-Ion, 3.6V, 4040mAh with integrated battery diagnostics (AM CT50 -Ex)
Hours of Operation	12+ hours
Decode Capabilities	Honeywell N6600 Slim Imager Engine (1D/2D barcode symbologies) Honeywell SDKs for Android and Windows
Application Software	Honeywell Power Tools and Demos
Mechanical	
Dimensions (LxWxH)	160 mm x 82.5 mm x 19 mm (6.3" x 3.2" x 0.75")
Weight	approx. 342 grams (12.1 oz) with battery pack
Environmental	
Operating temperature	-20 °C to +50 °C
Storage temperature	-30 °C to 70 °C

<b>Humidity</b>	0 to 95% relative humidity (non-condensing)
<b>Drop</b>	2.4 m (8 ft) to concrete at room temp per MIL-STD 810G 1.5 m (5 ft) to concrete at -10°C to 50°C temperature range 1.2 m (4 ft) to concrete down to -20°C
<b>Tumble</b>	Exceeds 1,000 1.0 m (3.3 ft) tumbles per IEC 60068-2-32 specification
<b>Environmental Sealing</b>	Independently certified to meet IP67 standards for moisture and particle intrusion
<b>WIRELESS CONNECTIVITY</b>	
<b>WWAN</b>	LTE (4G) Quad-Band (Bands 2, 4, 5, 17) UMTS/HSPA+ (3G) Quad-Band (Bands 1, 2, 5, 8) GSM/GPRS/EDGE Quad-Band (850/900/1800/1900 MHz) WWAN Radio (EU) LTE (4G) Tri-Band (Bands 3, 7, 20) UMTS/HSPA+ (3G) Quad-Band (Bands 1, 2, 5, 8) GSM/GPRS/EDGE Quad-Band (850/900/1800/1900 MHz)
<b>WLAN</b>	IEEE 802.11 a/b/g/n/ac; Wi-Fi certified
<b>WLAN Security (Windows)</b>	OPEN, WEP, WPA/WPA2 (Personal and Enterprise)
<b>Supported EAP</b>	TLS, PEAP-MS-CHAP-V2, TTLS
<b>WLAN Security (Android)</b>	OPEN, WEP, WPA/ WPA2 (Personal and Enterprise)
<b>Supported EAP</b>	TLS, PEAP, TTLS, PWD, FAST, LEAP CCX Version 4 certified (Android only)
<b>Bluetooth</b>	Class 2 V4.0 Bluetooth
<b>Supported Bluetooth Profiles</b>	HFP, PBAP, A2DP, AVRCP, OPP only
<b>NFC</b>	Integrated Near Field Communication
<b>VoIP</b>	Supported
<b>VPN</b>	IPSec V4/L2TP, PPTP
<b>Push to Talk (PTT)</b>	Supported
<b>GPS Supported Protocols</b>	GNSS Receiver for GPS and GLONASS



Thank you for reading this data sheet.

For pricing or for further information, please contact us at our UK Office, using the details below.



**UK Office**

**Keison Products,**

**P.O. Box 2124, Chelmsford, Essex, CM1 3UP, England.**

**Tel: +44 (0)330 088 0560**

**Fax: +44 (0)1245 808399**

**Email: [sales@keison.co.uk](mailto:sales@keison.co.uk)**

Please note - Product designs and specifications are subject to change without notice. The user is responsible for determining the suitability of this product.