CT32

_NETSelekt.pl

Performance Mobile Computer with 5G & Wi-Fi 6E

The CT32 is a lightweight, rugged mobile computer, featuring high-speed barcode scanning and data collection, a FlexRange™ scan engine, and a long lifecycle. It is ideal for frontline mobile workers in retail, logistics, and warehouse environments.

The CT32 offers 5G and Wi-Fi 6E for seamless communication and real-time data transfer, a FlexRange™ engine for long-distance barcode reading, and various accessories to meet diverse needs. Its robust design and long lifecycle help lower the total cost of ownership. Paired with software such as Operational Intelligence, Smart Talk, and Smart Pay, it's perfect for customers looking to enhance workflow efficiency.

The CT32: 5G mobile computer on the Mobility Edge™ platform, 5G + Wi-Fi 6E, S0703 or S0803 scan engine, stylish, durable, and long lifecycle

HONEYWELL MOBILITY EDGE™, A SECURE DURABLE, STABLE PLATFORM

Built on the Mobility Edge™ platform, the CT32 is designed for businesses seeking comprehensive solutions. It offers enhanced security, robust performance, and easy deployment.

Security is at the core of the CT32's requirements, with security practices incorporated throughout its lifecycle. It is secure by design, secure by default, and secure by deployment. This includes regular security patch releases, adherence to best programming practices, and continuous validation to mitigate vulnerabilities.

Equipped with the latest processor, the CT32 supports Android 14 and will be upgradable to Android 16 and Android 18. This ensures the CT32 can receive security updates and support for a longer duration than typical consumer or even some ruggedized devices from other manufacturers. Businesses can continue to use their devices securely and effectively for years to come.

The cloud-based Operational Intelligence solution goes beyond traditional MDM tools by analyzing data and converting it into actionable insights. It helps simplify lifecycle management of mobile assets, increase productivity, and lower costs.

FEATURES AND BENEFITS

Mobility Edge is a durable, stable, and secure platform for mobility solutions, offering long lifecycles, enhanced security, optimized performance, and faster deployments.

The sleek design of the CT32 meets both the aesthetic and user experience expectations of end users. Its 6-inch Full HD (1080 x 2160) display enhances comfort, usability, and overall user satisfaction.

The CT32 is equipped with the latest 5G and Wi-Fi 6E technology for seamless connectivity. Users benefit from the highest bandwidth and lowest latency, delivering an enhanced experience for data-intensive applications.

Capture data quickly and accurately from up to 35 feet (11m) with Honeywell's innovative FlexRange™ scan engine. The bright green laser dot is highly visible even at long distances and in strong sunlight.

The CT32 is rugged and lightweight, built to withstand drops from 1.8 meters (6 feet) with the TPU boot, 1.5 meters (5 feet) without it, and 1,000 tumbles from 0.5 meters. It is IP65 and IP68-rated for protection against dust and water.

Honeywell

RELIABLE UNDER HARSH CONDITIONS

The CT32 is designed to be highly reliable and durable, making it suitable for use in harsh conditions. It boasts IP65 and IP68 sealing rates, protecting against dust and water. Additionally, the CT32 can withstand drops from 1.5 meters without the need for rubber boots and endure 1,000 tumbles from a height of 0.5 meters. These features make the CT32 an excellent choice for demanding environments where durability and reliability are crucial.

POWERFUL HARDWARE WITH SOLID CONNECTIVITY

The CT32 features a durable 6-inch FHD display with Corning® Gorilla® Glass 5, a 4500mAh battery, 6GB/128GB or 8GB/128GB memory options, an octa-core processor with 5G and WI-FI 6E for robust connectivity and performance.

FLEXRANGE™ SCAN ENGINE

The CT32 also features a FlexRange™ bright green dot laser, providing superior visibility at long distances and in bright sunlight compared to red lasers. It brings industrial-grade long-range scanning performance to lightweight, pocketable devices like the CT32. FlexRange offers ultimate flexibility by supporting virtually every scanning use case in a single, compact device without sacrificing range or speed, allowing businesses to streamline operations and reduce device management effort.

LIGHTWEIGHT AND USER-FRIENDLY DESIGN

Weighing 269 grams, 13.9mm thick, the CT32 is easy to operate with one hand, fits in an average pocket, and can be carried with ease all day. Its ergonomic design boosts efficiency, reduces fatigue, and ensures smooth operations. Adopting Honeywell's HUE advanced industrial design, the CT32 has reached unprecedented heights in both barcode scanning and software operation. Various advanced design concepts have been integrated into this new generation of mobile computers, making the CT32 unparalleled.

ENTERPRISE GRADE SOFTWARE

The CT32 features Operational Intelligence software for workflow automation and real-time issue management, reducing IT support costs and boosting efficiency. Smart Talk unified communications integrates secure voice calls, texts, media messaging, and user presence on a single device, streamlining team communications.

ACCESSORY ECOSYSTEM

The CT32 comes with an extensive range of accessories, including booted and non-booted Universal Dock chargers that can be upgraded in the field by the end user without requiring tools. This ensures compatibility with multiple Honeywell field mobility computers both now and in the future. Additional accessories include booted and non-booted home bases, booted and non-booted quad charging bases, a scan handle, an RFID reader handle designed for efficient cycle counting, a TPU boot, a battery and quad battery charger, as well as a hand strap, wrist strap, and headset.

The CT32: 5G mobile computer on the Mobility Edge™ platform, 5G + Wi-Fi 6E, S0703 or S0803 scan engine, stylish, durable, and long lifecycle

CARBON NEUTRALITY

Honeywell is committed to creating sustainable products and achieving carbon neutrality. The CT32 is compliant with global RoHS and REACH requirements, and its removable battery is easy to recycle. Battery management tools extend battery life, reducing pollution from battery disposal. The backward-compatible accessories reduce the need for additional purchases, all contributing to lower greenhouse gas emissions.

CT32 Mobile Computer Technical Specifications

MECHANICAL

Dimensions: 166mm x 76.9mm x **13.9mm (6.5 in x 3.0 in x 0.55 in)**

Weight:
9.48 oz (269 g) with standard battery pack

Display: Corning® Gorilla® Glass 5,15.2 cm (6.0 in)

Resolution: Full High-Definition (1080 x 2160)

Touch Screen: Multi-touch capacitive (CTP), In-cell

Backlight and brightness: LED; 450 nits

Hard keys: Volume up/down key, left/right scan, power button.

Audio: 1 speaker, 1 receiver, dual microphones with noise cancellation.

Universal Dock Platform: Compatible (new cup is required)

ENVIRONMENTAL

Operating Temperature: -20° to 50°C (-4°F to 122°F)

Storage Temperature: -30° to 70°C (-22°F to 158°F)

Humidity: 5% to 95% (non-condensing)

Drop (Multiple):

Multiple drops to concrete as per MIL-STD-810H at -10° to 50°C (14°F to 122°F).

DROP HEIGHT	TEMPERATURE
1.8m (6ft) with boot	-10° to 50°C (14°F to 122°F)
1.5m (5ft)	-10° to 50°C (14°F to 122°F)

Tumble: 1000, 0.5m (1.6 ft) tumbles per IEC 60068-2-32 specification

ESD: ± 15KV Air and ± 8KV Contact

Environmental Sealing: IP65 and IP68

SYSTEM ARCHITECTURE

Processor: Qualcomm 4490 octa-core, up to 2.4 GHz

Operating System: Android 14, upgradable to Android 16 and Android 18, subject to technical feasibility confirmed by Qualcomm

Memory: 6 GB RAM/128 GB Flash;
8 GB RAM/128 GB Flash

Camera: 13-megapixel rear camera, 8-megapixel front-facing camera

Sensors: Light sensor, Proximity sensor, Accelerometer, Gyroscope, Magnetometer

Storage Expansion: MicroSD (standard supports up to 2 TB)

SIM: 1 eSIM and 1 nano SIM

Interface: USB 3.1 with Type-C, USB OTG supported

Interface Ports: 6 PIN bottom connection

Battery: Li-Ion, 3.8 V, 4,500 mAh, removable, smart battery with integrated diagnostics tools.

Charging: Less than 3.5 hours to be fully charged, quick charge 4.0 compliant

Hours of Operation: 12+ hours (standard battery, varies based on use case)

Decode Capabilities: Honeywell FlexRange™ S0803, Honeywell S0703 (1D/2D barcode symbologies)

Application Software: Honeywell Mobility Edge Utilities and Demos

WIRELESS CONNECTIVITY

WLAN (Wi-Fi Alliance certified):

IEEE 802.11 a/b/g/n/ac/ax (2.4GHz, 5GHz, 6GHz3, 2X2 MU-MIMO, DBS supported, IPv4, IPv6

Additional WLAN Features:

802.11 d/e/h/i/k/r/u/v/w/mc

WLAN Security: WEP (40 or 104 bit); Enhanced Open (OWE); 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, EAP-PWD; WPA3 Enterprise 192-bit mode (GCMP256) - EAP-TLS;

WLAN Supported EAP:

TLS, PEAP, TTLS, PWD, LEAP, CCX compliant

Fast Roam:

PMKID caching; Cisco CCKM; 802.11r; OKC

WWAN Radio:

GSM: 850,900, 1800, 1900MHz;

WCDMA: B1/B2/B4/B5/B6/B8/B19

TDD-LTE: B34/38/B39/B40/B41/B42/B43/B48

FDD-LTE: B1/B2/B3/B4/B5/B7/B8/B12/B13/B14/B17/B18/B19/B20/B25/B26/B28/B30/B66/B71

5G NR SA: n1/n2/n3/n5/n7/n8/n12/n13/n14/n18/n20/ n25/n26/n28/n30/n38/n40/n41/n48/n66/n71/n77/n78/n79

5G NR NSA: n40/n41/n77/n78/n79

Bluetooth: V5.3 Bluetooth and BLE

NFC: Integrated NFC reader, compliant with ISO/IEC 1443A, ISO/IEC 1443 B, ISO/IEC 15693, MIFARE 1K/4K, MIFARE DESFire, Sony FeliCa, ISO/IEC 18092, Contactless payment support, ECP 1.0 and ECP 2.0

GPS Supported Protocols:

Simultaneous receiver support for dual band (L1 + L5) GPS, AGPS, GLONASS, Galileo and BeiDou

Security: ISASecure® SDLA 3.0.0 (IA certification) and ISO/IEC 27001:2022 (Honeywell Certification)

ENVIRONMENTAL COMPLIANCE

RoHS Directive 2011/65/EU; REACH 1907/2006

WARRANTY

One-year factory warranty

1. Specifications are subject to change without notice
2. For a complete listing of all compliance approvals and certifications, please visit www.honeywellaidc.com/compliance

For more information

automation.honeywell.com

Honeywell Industrial Automation
855 South Mint Street
Charlotte, NC 28202
800-582-4263
www.honeywell.com

Android is a trademark of registered trademark of Google LLC.

Bluetooth is a trademark of registered trademark of Bluetooth SG, Inc.

Corning and Gorilla Glass are trademarks or registered trademarks of Corning, Inc.

Qualcomm is a trademark or registered trademark of Qualcomm Incorporated
CT32 | Rev A | 05/25
© 2025 Honeywell International Inc.

Honeywell