

CK65

Mobile Computer

The industry's most advanced ultra-rugged mobile computer that's ready for the toughest DC environments and the broadest range of workflows, the CK65 is designed to maximize worker productivity and minimize TCO.

In this environment of ever smaller orders and ever shrinking delivery timeframes, you need ways to improve your inventory accuracy and order cycle time. The CK65 is purpose-built to help with those objectives by maximizing worker productivity. The perfect blend of keypad and touchscreen, ergonomics and durability, the CK65 is light enough to be used all day yet durable enough to withstand the wear and tear of daily use. And with a 7,000 mAh extended smart battery, the CK65 is capable of up to 28 hours of continuous operation, so workers finding themselves with a dead battery in the middle of their shift will be a thing of the past.

Built on the Mobility Edge™ platform, the CK65 minimizes TCO like no other product on the market by future-proofing your investment with support through Android™ R and beyond, and accelerated provisioning to minimize your time to value. And with its ultra-rugged design that can withstand 3 m (10 ft) drops to concrete as well as being rated to IP65 and IP68, the CK65 is durable in even the toughest DC environments. The CK65 even offers cold storage models for freezer environments and non-incendive (NI)/ATEX models for areas with hazardous gases.

Honeywell's legacy of imaging innovation continues on the CK65 with the newest 6803FR FlexRange imager. The 6803FR has a dual-lens architecture that simultaneously captures near, mid, and far range with no moving parts. It's the ultimate combination of speed, range, and ruggedness. From picking to the pallet to the rack, the 6803FR imager is capable of handling the broadest range of workflows. And without moving parts, there's no time spent re-focusing, so the 6803FR is always operating at lightning speed.



Built on the Honeywell Mobility Edge platform, the ultra-rugged CK65 mobile computer combines touchscreen and keypad data input, real-time connectivity, and advanced data capture for industry-leading investment protection.

FEATURES AND BENEFITS



The Mobility Edge hardware platform and enterprise lifecycle tools drive an integrated, repeatable, scalable approach for accelerated and secure development, deployment, performance management, and lifecycle management.



The CK65 device provides future-proof investment protection with support for four Android generations, starting with Android 8 (O). Security updates are also available for up to two years after the last Google patch through Honeywell Sentinel.



The large touchscreen with a 38- or 30-key numeric keypad with function keys or 51-key alphanumeric keypad supports both legacy key-centric and newer touch applications. Keypads allow input in extreme environments and optimize efficiency in all environments.



Rugged construction withstands multiple 3 m (10 ft) drops to concrete across the temperature range and 2,000 1.0 m (3.3 ft) tumbles. IP65 and IP68 ratings against dust and water spray.



Enhanced 1D/2D scanning/data capture for short, mid, or long range workflows, as well as direct part marking scan capabilities.

CK65 Technical Specifications

SYSTEM ARCHITECTURE

Processor: 2.2 GHz Qualcomm® 64-bit Snapdragon™ octa-core

Operating System: Android 8.0 Oreo (system compatible up to Android R)

Memory: 2 GB/4 GB DDR4 RAM, 32 GB Flash

Display: 10.16 cm (4 in) 480 x 800 bright color LCD with backlight, outdoor readable, 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: 51-key alpha or 38- or 30-key numeric keypad, plus two programmable side buttons

Audio: Speaker, microphone support with noise cancellation. PTT support and Bluetooth® wireless headset support

I/O Ports: Durable, custom I/O connector compatible with CK3 accessories

Camera: 13.0-megapixel color camera with autofocus and advanced software features for better image quality, f/2.0 aperture, flash LED with flashlight mode

Sensors: Ambient light sensor, accelerometer, gyroscope, hall effect

Storage Expansion: User-accessible microSD card up to 512 GB (SDXC/SDHC/SDIO-compliant)

Battery: Li-Ion, 7,000 mAh Smart Battery

Hours of Operation: 28 hours

Scanning Capabilities: Honeywell N6703 Slim Imager Engine (1D/2D); 6803FR FlexRange Slim Imager (1D/2D); Honeywell EX20 Near/Far Imager (1D/2D); Honeywell Scanning SDKs for Android

Warranty: One-year limited factory warranty

MECHANICAL

N6703SR/6803FR Version Dimensions: 22.7 cm x 8.3 cm x 4.2 cm (8.9 in x 3.3 in x 1.7 in)

N6703SR/6803FR Version Weight: 498 g (17.6 oz) with battery pack

EX20 Version Dimensions: 22.7 cm x 8.3 cm x 4.7 cm (8.9 in x 3.3 in x 1.9 in)

EX20 Version Weight: 544 g (19.2 oz) with battery pack

For more information

www.honeywellaidc.com

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WIRELESS CONNECTIVITY

WLAN: IEEE 802.11 a/b/g/n/ac; Wi-Fi certified 2x2 MIMO support

Additional WLAN Features: 802.11 d/e/h/i/k/r/w

WLAN Security: OPEN, WEP, WPA/WPA2 (Personal and Enterprise)

Supported EAP: TLS, PEAP, TTLS, PWD, LEAP CCX Version 4 certified

Bluetooth: V5.0 with BLE and Backward Compatibility

Bluetooth Profiles: HFP, PBAP, A2DP, AVRCP, OPP, SPP, GATT

NFC: Integrated Near Field Communication

VoIP: Supported

VPN: IPSec V4/L2TP, PPTP

Push to Talk (PTT): Supported

ENVIRONMENTAL

Operating Temperature:

Standard Temp Unit: -20°C to 50°C (-4°F to 122°F)

Cold Storage Unit: -30°C to 50°C (-22°F to 122°F)

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

Humidity: 0 to 95% relative humidity (non-condensing)

Drop: 3 m (10 ft) to concrete at room temperature, 2.4 m (8 ft) across operating range per MIL-STD 810G

Tumble: 2,000 1.0 m (3.3 ft) tumbles per IEC 60068-2-32 specification

ESD: ±15 kV Air and ±8 kV Direct

Environmental Sealing: Independently certified to meet IP65 and IP68 standards for moisture and particle intrusion

ADDITIONAL CERTIFICATIONS AND

APPROVALS

US/Canada:

Class 1 Div 2, Groups A, B, C, and D

Class 2 Div 2, Groups F, G

Class 3

T5A, -20°C < Tamb < 50°C (-4°F to 122°F)

ATEX:

II 3G Ex ic op is IIC T5 Gc IP64

II 3D Ex ic op is IIB T135°C (275°F) Dc IP64, -20°C < Tamb < 50°C (-4°F to 122°F)

IEC Ex:

Ex ic IIC T5 Gc IP64

Ex ic IIB T135°C (275°F) Dc IP64

-20°C < Tamb < 50°C (-4°F to 122°F)

For a complete listing of all compliance approvals and certifications, please visit www.honeywellaidc.com/compliance.

For a complete listing of all supported barcode symbologies, please visit www.honeywellaidc.com/symbologies.

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