

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 Total Cost of Ownership.

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 new FlexRange™ XLR imager. The FlexRange XLR is capable of scanning from 3 inches (7.6 cm) all the way out to 80 feet (24.3 m), at lightning fast speeds, and in a slim form factor. From picking to the pallet to the rack, from broad daylight to dark warehouse lighting, and even with damaged barcodes, the FlexRange XLR is perfect for any workflow.



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.

DISINFECTANT-READY HOUSINGS – NEW!

Select models now available with disinfectant-ready housings. These models can be cleaned regularly with a wide variety of cleaning solutions without damaging your product.

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 five different alphanumeric and numeric keypad options, 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 3,000 1.0 m (3.3 ft) tumbles. IP65 and IP68 ratings against dust and water spray.



Unique FlexRange technology capable of short to long range scanning in a slim, rugged form factor.

Technical Specifications

SYSTEM ARCHITECTURE

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

Operating System: Each Android version guaranteed from Android 9 Pie to at least 11/R, committed support for Android 12 and 13 pending feasibility

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 Corning Gorilla Glass 5 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 or 53-key alpha numeric, 38 or 42-key numeric function, or 30-key large numeric keypads, 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, High-G accelerometer

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); Honeywell N6803 FlexRange Slim Imager (1D/2D); Honeywell FlexRange XLR Slim Imager (1D/2D); Honeywell EX20 Near/Far Imager (1D/2D); Honeywell Scanning SDKs for Android

Warranty: One-year limited factory warranty

MECHANICAL

N6703SR/FlexRange XLR Version/ N6803 FlexRange

Dimensions: 22.7 cm x 8.3 cm x 4.2 cm (8.9 in x 3.3 in x 1.7 in)

N6703SR/FlexRange XLR Version/ N6803 FlexRange

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

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

DATA SECURITY

FIPS 140-2 Level 1 Validated
 - Data at Rest
 - Data in Motion

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)

ESD: ±15 kV Air and ±8 kV Direct

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

DEVICE DURABILITY

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

Tumble: 3,000 1.0 m (3.3 ft) tumbles per IEC 60068-2-32 specification

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

T5, -20°C < Tamb < 50°C (-4°F to 122°F)

ATEX:

Ex II 3G Ex ic op is IIC T5 Gc IP64

Ex II 3D Ex ic op is IIIB T100°C Dc IP64, -20°C < Tamb < 50°C

IEC Ex:

Ex ic op is IIC T5 Gc IP64

Ex ic op is IIIB T100°C Dc IP64 -20°C < Tamb < 50°C

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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