CW45

Rugged Wearable Computer

> The CW45 wearable computer is a rugged performance tool that improves productivity by ergonomically presenting the workflow information at the point of activity and integrating the tools needed to perform the job at hand.

Ultra-reliable performance, data connectivity, and communications for frontline mobile workers in warehouse/DC, retail, logistics, and manufacturing is always where it is needed, when it is needed. Designed from the ground up for comfort, ease of use, and reliability, the CW45 offers a low profile, large HD display, enterprise-level ruggedness, and comfortable, easy-to-wear accessories. The CW45 is designed for businesses that invest in sophisticated solutions and want a durable, stable, secure platform on which to implement them. Built on the newest generation of Honeywell's Mobility Edge™ platform, the CW45 delivers the lifecycle, security, and durability to optimize solution return on investment in the long term.

NEW CHALLENGES CALL FOR AN AGILE RESPONSE

Change in the supply chain has only accelerated in recent years, with e-commerce adoption spreading across every demographic group and retail category, elevated safety protocols and disruptions in trade patterns are becoming routine. Businesses are meeting these challenges with new solutions based not only on advanced mobile devices, but also key software capabilities. The CW45 family is integrated with powerful software solutions from Honeywell such as Operational Intelligence asset optimization and Smart Talk unified communications, as well as a broad ecosystem of UEM, WMS, retail and ERP solutions.

The CW45: A dedicated wearable mobile computer bringing optimized ergonomics and performance to arm-worn applications. Comfortable, powerful, compact, durable, and easy to use, the CW45 provides maximum solution return on investment.

FEATURES AND BENEFITS

The Mobility Edge platform allows companies to test and validate applications once, accelerate deployments across the enterprise, optimize device performance, simplify maintenance, and extend product lifecycle.

Designed expressly for wearable utility and premium comfort, the CW45 offers a low center of gravity, compact size, large HD display, the ability to warm-swap the battery without removing the device, and easy-to-use, durable wearable accessories that ensure the device comfortably stays in place for optimum hands-free operation.

Embedded with the latest Wi-Fi 6 technology, the CW45 increases data throughput, and provides a better experience on voice or video communications even in a highly dense connected environment.

Complete the solution set with software and accessories to mobilize your workforce. Connect the 8675i rugged wearable scanner (via Bluetooth or power cable) for rapid, reliable, and FlexRange(TM) data capture. Tap-to-pair with Honeywell Voice headsets. Implement Honeywell Guided Work Voice solutions. The full solution is ready to work when you are.

Honeywell

HASSLE FREE CONNECTIVITY INSIDE AND OUTSIDE OF THE FOUR WALLS

Mobile workers often struggle to get up-to-date information in a timely manner to boost efficiency. In response, the CW45 leverages the latest Wi-Fi 6 technology to facilitate access to essential information with low latency, even in a highly dense connected environment.

IMPROVE PRODUCTIVITY

Handsfree efficiency can improve throughput on your current processes just by eliminating the constant movement of picking up and setting down the device. Wearables also minimize time lost when handheld devices are misplaced. And having the right information when it is needed can improve decision-making and reduce errors.

EASE USER DEPLOYMENT

Purpose-built as a wearable device, the CW45 has been designed from the ground up to conform to the user, not the other way around. Low weight, compact size, low center of gravity, and secure, comfortable, easy to adjust wearable accessories make this easy for users to implement from day one.

SIMPLE INTEGRATION

Designed to kit with common solution components, the CW45 can pair with the hardware and software solutions needed to easily implement in common workflows.

BUILT ON THE MOBILITY EDGE PLATFORM

Built on the newest generation of Honeywell's Mobility Edge platform, a durable, stable, secure foundation for effective, long lasting solutions, the CT45 family delivers the lifecycle, security and durability required by serious businesses. The CT45 leverages the latest processor and memory technology for high performance with guaranteed support through Android 13, with a commitment to support through Android 14 and Android 15, subject to feasibility.

CW45 Technical Specifications

MECHANICAL

Dimensions: 133 mm x 86 mm x 14 mm
Weight: 292 g (9.9oz)
with standard battery pack
Display Size: 11.9 cm (4.7 in)
Resolution: High-Definition
(1280 x 720)
Backlight: LED
Touch Panel: Rugged multi-touch capacitive touch panel, optically-bonded for durability and outdoor readability. Glove, stylus, and rain modes supported. Water droplet rejection with screen protector mode. Covered with Gorilla Glass 5 for increased resistance to impacts and drops.
Soft Keys: F1, F2, and F3 keys along the bottom edge of the device. Default functions are Volume up, Volume down, and Enter. Reprogrammable by application.
Audio: PTT, VoIP ready, speaker, HAC-compliant. One microphone
I/O Ports:
Durable, flat I/O connector.
USB OTG supported
Universal Dock Platform: Compatible

ENVIRONMENTAL

Operating Temperature:
-20°C to +50°C (-4°F to +122°F)
Storage Temperature:
-30°C to +70°C (-22°F to +158°F)
Humidity: 5% to 95% (non-condensing)
Drop: Multiple 1.8 m (6 ft) drops to concrete at -20°C to +50°C (-4°F to +122°F) per MIL-STD-810H
Tumble: Exceeds 1,000 times at 0.5m (1.64 ft) per IEC 60068-2-32 specification
ESD: ±8 kV direct; ±15 kV air
Environmental Sealing: Independently certified to meet IP65 and IP67 standards for moisture and particle intrusion
Thermal Shock: -30°C to +70°C

SYSTEM ARCHITECTURE

Processor: Qualcomm QCS4290/ QCM4290 octa-core, 2.0GHz
Operating System:
Each Android version guaranteed from Android 12 to at least 15

Memory:
6 GB DDR4x RAM, 64 GB UFS Flash
Camera:
13-megapixel side-facing camera; 8-megapixel front-facing camera
Sensors: Ambient light sensor, accelerometer, gyroscope, eCompass, high gravity sensor
Battery: Li-Ion; smart battery with integrated diagnostic tools
Standard Battery Pack: 3.6 V, 3500 mAh
Extended Battery Pack: 3.6 V, 7000 mAh
Battery hot swap: 1 minute duration
Charging: hours to be fully charged (25C): Standard Battery Pack: 3 hours typical Extended Battery Pack: 6.5 hours typical
Hours of Operation:
   Standard Battery Pack: 6 hours
   Extended Battery Pack: 12 hours
   (varies based on use case)
Decode Capabilities: 1D/2D barcode symbologies, Honeywell SDKs for Android
Application Software: Honeywell Mobility Edge Utilities and Demos

WARRANTY

Computer Warranty:
One year factory warranty
Battery Pack Warranty:
One year factory warranty

WIRELESS CONNECTIVITY

WLAN:
   Wi-Fi6 certified: IEEE 802.11 a/b/g/n/ ac/ax and 2*2 MU-MIMO
   WLAN Security: OPEN, WEP, WPA/WPA2/ WPA3 (Personal and Enterprise)
Supported EAP: TLS, PEAP, TTLS
Bluetooth®: V5.1 Bluetooth and BLE
Bluetooth Profiles: HFP, PBAP, A2DP, AVRCP, OPP, SPP, GATT
NFC: Integrated NFC reader, compliant with ISO/IEC 14443 A, ISO/IEC 14443 B, ISO/IEC 15693 (ICode), MIFARE 1K / 4K, MIFARE DESFire, Sony FeliCa, ISO/IEC 18092 (Type F)
VPN: IPSec V4/L2TP, PPTP
Push to Talk (PTT): Supported

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

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

Specifications are subject to change without notice.

Android, Bluetooth, Gorilla Glass and Qualcomm are trademarks or registered trademarks of their respective owners.

Honeywell