



# Oracle MICROS Compact Workstation 3 Series

Optimize limited and remote locations with the Oracle MICROS Compact Workstation 3 Series. With its ruggedized design and industry-leading durability, this all-in-one can hold up to the harshest of environments.

## SERVE GUESTS IN MORE PLACES WITH RUGGED AND PORTABLE POS HARDWARE

The Oracle MICROS Compact Workstation 310 and 310R are rugged, portable, Point-of-Sale (POS) devices designed and built for the hospitality market. A perfect choice for limited menu efficiency, these all-in-one units are not only portable with a small 10-inch footprint, but exemplify durability, withstanding the harshest of temperatures. The devices are packed with features such as integrated LAN connectivity, magnetic stripe reader and customer-facing display. Options include Wi-Fi, full-shift battery, fingerprint reader, and several mounting choices.



## COMPACT WORKSTATION 3 SERIES

**The Compact Workstation 3 Series offers industry-leading performance and durability to withstand a broad range of environmental conditions. Software compatibility, updates and peripherals are pre-tested, eliminating integration and management guess work. The device offers a long lifecycle and lower meantime before failure (MTBF), resulting in far fewer failures and refresh cycles.**

## WHY ORACLE MICROS COMPACT WORKSTATION?

### ANTI-GLARE DISPLAY

- Reduces contrast and thus reduces stress on the user's eyes- allowing for longer use
- Reduces glare on the display (which improves visibility in high-bright locations)
- Reduces appearance of fingerprints

### OPEN CASEWORK DETECTION

- Detects the removal of modular components
- Detects opening of the casework

### BATTERY SUPPORT FOR PORTABILITY

Battery support provides customers with the option to easily relocate point-of-sale location, without having to worry about being connected to a wired power source. Customers can use the Compact Workstation in their pop-up shop, on the golf green, or in stadium kiosks.

### EMBEDDED INTEL PROCESSOR

The Compact Workstations are built on the Intel® Core™ U-Series processors for IoT applications.

- Long-life availability (15 years)
- Built for embedded use conditions
- Meet the increasing requirements for graphics, audio, and compute capabilities while providing the headroom to consolidate data and applications

## FANLESS SYSTEM

- Improved Shock and Vibrating Resistance due to the removal of a major moving component (the fan)
- Reduced Power Consumption: not only does the processor generate less heat and requires less power than standard fan-based models, the removal of the fan itself also reduces power consumption.
- Improved Reliability: Due to the exclusion of moving parts, the likelihood of mechanical failure is reduced.
- Improved Cleanliness: Offering a fanless system eliminates circulation of dust and pathogens, and also keeps dust, grease, and humidity out of the system, reduces likelihood of component failure and improves performance.
- Quiet Operation: Removing the fan allows for quiet operation without the humming of a fan.\*\*\*

## HIGH-BRIGHT DISPLAY

High-bright displays provide improved visibility for variable environments. Improved visibility not only improves associate efficiency but will also lead to greater productivity and overall appearance.

- 300 Nit Brightness on the Compact Workstation 310
- 800 Nit Brightness on the Compact Workstation 310R

## IP-RATED

Ingress Protection testing, or IP testing, tests a product's ability to protect against "ingress," that is, the infiltration of water, dust and foreign objects.

### IP-43 on the Compact Workstation 310:

- The "4" rating in IP-43 applies to items in which hazardous parts cannot be accessed even with a wire, or foreign objects greater than 1.0 mm. This is tested using a 1.0 mm access probe and by inspection to ensure any dust that enters would not interfere with the part's functionality.
- The "3" rating in IP-43 is given when an item is safe from ingress from spraying liquid. This is tested by spraying water at an angle up to 60 degrees of vertical and established that no harm came from this.\*

### IP-55 on the Compact Workstation 310R:

- The "5" rating in IP-5x applies to hazardous parts that can't be accessed, even with a wire, and protection against ingress from dust is also applicable. This is tested using a 1.0 mm access probe and by inspection to ensure any dust that enters would not interfere with the part's functionality.
- The "5" rating in IP-x5 applies to items that are protected against ingress from jets of liquid. It is given after testing with water jets, and it shows there were no harmful effects.

## EXTENSIVE TEMPERATURE RANGE

A broad operating temperature range is especially important for point-of-sale applications, given the varying installation environment. Because the Compact Workstation 310 is rated for use in high-heat, there is less likelihood of component failure due to overheating.

- Compact Workstation 310: 0°C ~ 50°C
- Compact Workstation 310R: -10°C ~ 60°C

\*<https://www.nts.com/services/testing/environmental/ingress-protection/>  
\*\*<https://newline-interactive.com/usa/5-benefits-of-optical-bonding/>  
\*\*\*<https://www.cybernetman.com/blog/advantages-fanless-one-computers/>  
\*\*\*\*<https://www.wti.com/t-why-do-i-need-a-dual-ethernet-console-server.aspx>

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