

# Oracle MICROS Express Station 400

The new Oracle MICROS Express Station 400 builds on an industry-proven hardware platform, providing an integrated design built to increase efficiency and reliability for kitchen applications.

## HARDWARE BUILT WITH YOUR KITCHEN IN MIND

From spills and stains to high heat and humidity, kitchen environments can be tough on technology. In order to meet these extreme day-to-day demands, we have developed hardware that is purpose-built with the reliability and durability you need to operate at the speed of your business. It also features a stylish, modern design, perfect for all kitchen environments from fine dining to quick-serve.

## EXPRESS STATION 400

The Oracle MICROS Express Station 400 is a new addition to the current line of Oracle MICROS All in One Terminals. With its expansive 24-inch display, optimized design for clean cable management, and industry-leading operating temperature range, the Express Station 400 is the ideal choice for kitchen applications.

## BENEFITS:

- Integrated design to reduce installation time and minimize required mounting equipment
- Ventless design with an IP-54 rating, optimized for kitchen environments – sealed against humidity, grease & airborne contaminants
- Carefully selected components for long life and reliability in hot kitchens
- Internal power supply for simplified installation and reduced failure rate
- Optional handle to mount either a 10 or 20-key bump bar, and also serves as a touchpoint to adjust the position of the display (when mounted to an articulating mount)
- Choice of Operating Systems: Windows 10 IoT Enterprise or Oracle Linux for MICROS
- Universal VESA 100 pattern allowing for various mounting options- ceiling, wall-mounted, or countertop
- Long lifecycle to better accommodate Food & Beverage industry



Oracle MICROS Express Station 400

## AVAILABLE CONFIGURATIONS:

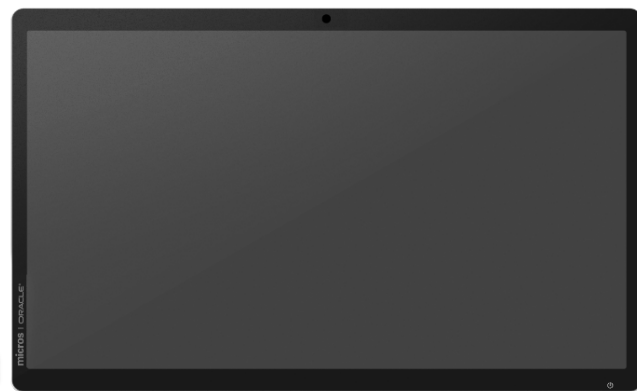
MODEL	PART NUMBER	DESCRIPTION
NON-TOUCH DISPLAY	7601253	Oracle MICROS Express Station 400 with 23.8-inch non touch LCD display, 1 Intel Atom dual-core processor, 4 GB RAM, 64 GB SSD, power supply, and Oracle Linux for MICROS
	7601254	Oracle MICROS Express Station 400 with 23.8-inch non touch LCD display, 1 Intel Atom dual-core processor, 4 GB RAM, 64 GB SSD, power supply, and Windows 10 IoT Enterprise 2019 LTSC
TOUCH DISPLAY	7601255	Oracle MICROS Express Station 400 with 23.8-inch touchscreen display, 1 Intel Atom dual-core processor, 4 GB RAM, 64 GB SSD, power supply, and Oracle Linux for MICROS
	7601256	Oracle MICROS Express Station 400 with 23.8-inch touchscreen display, 1 Intel Atom dual-core processor, 4 GB RAM, 64 GB SSD, power supply, and Windows 10 IoT Enterprise 2019 LTSC

## AVAILABLE OPTIONS:

PART NUMBER	DESCRIPTION	FEATURES/BENEFITS
7602411	Handle with Oracle MICROS bump bar mounting bracket for Oracle MICROS Express Station 4 Series	The Handle for the Express Station 4 Series allows for mounting of either a 10-key or 20-key bump bar. It also serves as a touchpoint to adjust the position of the display (when mounted to an articulating mount)
7601260	Integrated soundbar with multimedia expansion for Oracle MICROS Express Station 4 Series	Integrated soundbar attaches to the bottom (when in landscape mode, or side when in portrait mode) of the Express Station 4 Series.  The soundbar features: <ul style="list-style-type: none"> <li>• (2) front-facing water-resistant 2.5-watt stereo speakers</li> <li>• (2) front-facing microphones</li> <li>• I/R proximity sensor</li> </ul>
7601259	Integrated fingerprint reader for Oracle MICROS Express Station 4 Series	The fingerprint reader and MSR are optional peripheral attachments that seamlessly integrate into the side of the Express Station 4 Series.
7601261	Integrated MSR for Oracle MICROS Express Station 4 Series	

## EXPRESS STATION 400 SPECIFICATIONS:

<b>Processor</b>	
Intel Processor	Intel Atom dual-core processor; 1.8GHz
<b>Memory</b>	
Included Memory	4GB
Maximum Memory	8GB
<b>Storage</b>	
Included Drive	64GB SSD
<b>Display</b>	
<b>Display Type Options</b>	Option 1: Non-Touch Display Option 2: Projected Capacitive Touch Display
Display Size	23.8-inches
Brightness	250 Nits
Aspect Ratio	16:9
Anti-Glare	Yes
Resolution	1920x1080
<b>Connectivity</b>	
	2 x USB 3.0 2 x USB 2.0 1 x USB 3.0 Type C w/Power Distribution 1 x Gigabit Ethernet 1 x Serial Port 1 x IDN/RS422 Alternate DisplayPort via USB-C
<b>Environmental</b>	
IP-Rating (Whole System)	IP-54
Cooling	Fanless
Operating Temperature	0°C ~ 60°C
<b>Operating System &amp; Warranty</b>	
Operating System Options	Oracle Linux for MICROS Windows 10 IoT Enterprise 2019 LTSC
Warranty	1-Year



## WHY ORACLE MICROS EXPRESS STATIONS?

ORACLE EXPRESS STATION 400 MODEL	ADVANTAGES/BENEFITS TO CUSTOMER
<b>IP-54 Rating on the Whole System</b>	<p><b>What is an IP-Rating?</b> 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.</p> <ul style="list-style-type: none"> <li>• The first "5" rating in IP-54 means complete protection from solid materials and dust. This is tested using a specialized chamber blowing fine powder and ensuring there is no impact to system operation.</li> <li>• The second "4" rating in IP-54 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.</li> </ul>
<b>Industry- leading temperature range from 0°C ~ 60°C</b>	<p><b>Why is a broad temperature range important?</b></p> <p>It is especially important for kitchen display applications, given the varying installation environments. Because the Express Station 400 is rated for use in high-heat, there is a decreased likelihood of component failure due to overheating, versus competitive products.</p>
<b>Fanless System</b>	<p><b>What are the Benefits of a Fanless System?</b></p> <ul style="list-style-type: none"> <li>• <b>Improved Shock and Vibrating Resistance</b> due to the removal of the fan.</li> <li>• <b>Reduced Power Consumption:</b> Not only does the processor generate less heat and requires less power than standard fan-based models, but the removal of the fan itself also reduces power consumption.</li> <li>• <b>Improved Reliability:</b> Due to the exclusion of moving parts, the likelihood of mechanical failure is reduced.</li> <li>• <b>Improved Cleanliness:</b> Offering a fanless system eliminates the circulation of dust and pathogens, and also keeps dust, grease, and humidity out of the system, reduces the likelihood of component failure, and improves performance.</li> <li>• <b>Quiet Operation:</b> Allows for quiet operation without the humming of a fan.**</li> </ul>
<b>USB Type-C Port Included</b>	<p>The inclusion of the USB Type-C port allows for greater peripheral options and also future-proofs the system.</p>
<b>Anti-Glare Display</b>	<p><b>What are the benefits of an anti-glare display?</b></p> <ul style="list-style-type: none"> <li>• Reduces contrast and thus reduces stress on the user's eyes- allowing for longer use</li> <li>• Reduces glare on the display (which improves visibility in high-bright locations)</li> <li>• Reduces appearance of fingerprints.</li> </ul>
<b>Tamper detection included</b>	<p><b>The tamper detection feature:</b></p> <ul style="list-style-type: none"> <li>• Detects the removal of modular components</li> <li>• Detects opening of the casework.</li> </ul>
<b>Intel Processor built for embedded use condition and 15-year availability</b>	<p><b>The Express Station 400 model is built on the Intel Atom® x5 Series processors for IoT applications.</b></p> <p><b>The Processors Feature:</b></p> <ul style="list-style-type: none"> <li>• Long-life availability (15 years)</li> <li>• Built for embedded use conditions</li> <li>• Meet the increasing requirements for graphics, audio, and compute capabilities while providing the headroom to consolidate data and applications</li> </ul>

# Simplify your Non-Touch KDS Implementation with the Oracle MICROS Express Station 400

## Non-Touch Kitchen Display Installation Comparison

### Traditional KDS Required Components

1. Non-Touch Monitor
2. Kitchen Display Controller
3. External Power Supply for Kitchen Display Controller
4. AC Cord for Kitchen Controller Power Supply
5. External Power Supply for Monitor
6. AC Cord for Monitor Power Supply
7. Bump Bar
8. USB Cable with Bump Bar
9. HDMI Cable for Kitchen Controller to Monitor
10. Display mounting plate for wall mount
11. Mounting plate for monitor and bump bar
12. Wall mount
13. Ethernet Cable



### NEW! Express Station KDS Required Components

1. Express Station 400 (Non-Touch)
2. AC Cord for Express Station 400
3. Bump Bar
4. USB Cable with Bump Bar
5. Handle with Bump Bar Mount Accessory
6. Wall Mount
7. Ethernet Cable




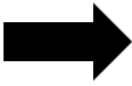
# Simplify your Touch KDS Implementation with the Oracle MICROS Express Station 400

## Touch Kitchen Display Installation Comparison

**Traditional KDS**  
Required Components


1. Touch Monitor
2. Kitchen Display Controller
3. External Power Supply for Kitchen Display Controller
4. AC Cord for Kitchen Controller Power Supply
5. External Power Supply for Monitor
6. AC Cord for Monitor Power Supply
7. USB Cable for Touch Monitor
8. HDMI Cable for Kitchen Controller to Monitor
9. Display mounting plate for wall mount
10. Mounting plate for monitor and bump bar
11. Wall mount
12. Ethernet Cable





**NEW! Express Station KDS**  
Required Components

1. Express Station 400 (Touch)
2. AC Cord for Express Station 400
3. Wall Mount
4. Ethernet Cable



SOURCES:


\*<https://www.nts.com/services/testing/environmental/ingress-protection/>

\*\*<https://www.cybernetman.com/blog/advantages-fanless-one-computers/>

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