

# 3100 Series Touch Screen POS Workstation

## INSTALLATION GUIDE

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Congratulations on your purchase of UTC RETAIL's innovative 3100 Series Touch Screen POS Workstation. The 3100 Series is designed for use in restaurants, convenience stores, and other specialty retail establishments. It is highly configurable, has easy access to connectors, and a large selection of interface ports for connectivity to printers, cash drawers, scanners, keyboards, and other peripherals.

This Installation Guide will help you efficiently install the 3100 Series. The document is intended for use by technical experts who assemble POS systems.



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There are many options for operating systems, drivers, applications, and peripherals. Please consult the supplier's documentation for information not specific to 3100 Series products.

The 3100 Series Touch Screen POS Workstation complies with UL60950 requirements. This equipment has been tested and found to comply with the limits for a Class "A" digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference, in which case the user will be required to correct the interference at his/her own expense.

# Preparing for Installation

## Safety Precautions

### DANGER: High Voltage



This unit contains high voltage. There is a risk of electrical shock if the case is opened. If service is required, contact an authorized service agent or UTC RETAIL (UTC).

### WARNING: CMOS Battery Damage



Replace your system's battery only with CR-2032 (or equivalent) 3V Lithium-Ion coin cell battery to avoid risk of personal injury or physical damage to your equipment. Always dispose of used batteries according to local ordinance, where applicable. Any damage due to not following this warning will void your motherboard's manufacturer warranty.

### WARNING: Access to Internal Components



All access to internal components of the 3100 Series unit is restricted to Authorized Service Personnel only. Opening the case or service by anyone else will automatically void the warranty on this product.

### WARNING: Laser Radiation (CD or DVD Drive)



Invisible or visible laser radiation may be present when Optical Devices are present. When open, do not stare into the beam or view directly with optical instruments.

### WARNING: Connect AC Power Cable last



To avoid accidental power-up during installation, connect the AC Power Cable last.

### WARNING: Electrical Shock



Use caution when connecting cables. To avoid electric shock, do not connect safety extra-low voltage (SELV) circuits to telephone-network voltage (TNV) circuits. Local Area Network (LAN) ports contain SELV circuits, and telephone ports contain TNV circuits. Some LAN ports and some telephone ports use RJ-45 connectors.

### CAUTION:



Damage to the logic module components may occur if AC power is not removed from the product prior to attaching any accessories.

### CAUTION:



**Do not** use the Magnetic Stripe Reader (MSR) unit as a handle when moving or carrying the 3100 Series.

### CAUTION:



**Do not** hot plug to the rear panel serial ports. Turn off the 3100 Series Unit before connecting serial port cables.

### CAUTION:



Always disconnect all telephone lines from the wall outlet before servicing or disassembling this equipment.

## Site Specifications and Power Requirements

|                                 |  |                                     |
|---------------------------------|--|-------------------------------------|
| <b>Power Requirements</b>       | Voltage<br>Frequency<br>Current (typical)  | 120 VAC<br>50/60 Hz<br>0.6A current |
| <b>Site Wiring</b>              | A dedicated, unswitched power line is recommended. The AC outlet should be close to the 3100 Series. Do not use extension cords. |                                     |
| <b>Environmental Conditions</b> |  |                                     |
| <b>Temperature</b>              | Constant operation at or near the temperature limits stated below should be avoided. Do not exceed the limits shown.             |                                     |

|                             |  |  |
|-----------------------------|--|--|
|                             | Operating temperature:<br>Storage temperature:   | 0°C to 40°C (32°F to 104°F)<br>-20°C to 60°C (-4°F to 140°F) |
| <b>Humidity</b>             | Constant operation at or near the humidity limits stated below should be avoided. Do not exceed the limits shown.  |  |
|                             | Humidity   | Up to 90% non-condensing                                     |
| <b>Airflow Requirements</b> | The ambient air temperature must not exceed 40°C (104°F). Do not block the air vents on either side of the 3100 Series Workstation. Airflow through these vents is required for system cooling. Do not install the 3100 Series in a location not having sufficient ventilation. Leave several inches of clearance on both sides where the air vents are located. |  |

### **AC Power Line and Data Line Transient Protection**

The 3100 Series is a modern computer that can interface with a large variety of peripherals. This complete POS system represents a significant financial investment for your site. As such, it must be protected against energy transients (lightening strikes, switching transients), complete power loss or brownouts as you would protect any piece of computer equipment. UTC RETAIL has a large variety of power and data line conditioner equipment and uninterruptible power supplies (UPS) that can be sized for your system; contact your UTC RETAIL representative for information.

## **Getting to Know the System**

### **3100 Series Main Unit**



## Product Components

The 3100 Series product includes:

- 3100 Series main unit
- AC Line Cord
- Installation Guide

Depending on the configuration you have purchased, the following optional items may also have been installed:

- Magnetic Stripe Reader (MSR)
- Rear Customer Display (RCD)
- PoweredUSB Kit
- CF Card Adapter Kit
- WLAN Kit (802.11 a/b/g)

## User Guide

To download the User Guide for this product, go to [www.utcretail.com](http://www.utcretail.com)

## Installing the 3100 Series Workstation

### Input/Output Panel – Port Configuration

**WARNING:** To avoid accidental power-up during installation, connect the AC Power Cable last.



Note: If you find that the supplied AC power cable interferes with your ability to connect a 15-pin VGA plug to the I/O Panel's Video jack, substitute a standard straight PC power cord for the supplied 90° cord.

## Troubleshooting

The 3100 Series Touch Screen POS Workstation User Guide provides troubleshooting procedures for possible problems encountered when installing the product. Access the document at: [www.utcretail.com](http://www.utcretail.com).

## Service and Technical Support

Assistance and customer service are available from your dealer or authorized service provider. If your dealer or service provider cannot answer your questions or provide satisfactory service, call UTC RETAIL's Technical Support. When calling for assistance or service information, please be ready to provide the model number and serial number, which can be found on a label on the bottom of the chassis.

If the product needs to be returned to a repair facility, please use the original packing material and shipping carton.

For assistance, service and product information, contact:

**UTC RETAIL**

100 Rawson Road

Victor, NY 14564

Phone: 1.800.349. 0546 or (585) 924.9500

Fax: (585) 924.1434

[www.utcretail.com](http://www.utcretail.com)