SOFTWARE | HARDWARE | SERVICE

UTC RETAIL ™

4100 POS System

4100 User Guide

Thank you for selecting UTC RETAIL's innovative Model 4100 Point of Sale solution!

This guide is designed to acquaint you with the features and functionality of the 4100 Point of Sale System.

11681023 Rev A

4100 POS System User Guide

This User Guide was prepared by UTC RETAIL for use by Qualified Service Personnel only. All attempts have been made to ensure that the information presented in this manual is correct. No liability, expressed or implied, will be assumed by UTC, its dealers, or affiliates, for damage resulting from the use of this information.

If a unit needs to be shipped to UTC RETAIL for repairs, please return it in the original packaging material and shipping container. If you purchased the 4100 POS System through a dealer, and the dealer is unable to answer your questions, please call UTC RETAIL Technical Support at 1.800.349.0546.

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.

WARNING: CMOS Battery Damage

Replace your system's CMOS RAM battery only with identical CR-2032 3V Lithium-Ion coin cell (or equivalent) battery type to avoid risk of personal injury or physical damage to your equipment. Always dispose of used batteries according to the manufacturer's instructions, or as required by the local ordinance (where applicable). The damage due to not following this warning will void your motherboard's manufacture warrantee.

All access to internal components is restricted to Authorized Service personnel only.

If applicable, the key for this device should be in the possession of Qualified Service Personnel Only and used for access by an Authorized and Qualified Service Person.

Table of Contents

11681023 Rev A

Product Information

4100 POS System Components

You will find the following components inside the 4100 POS System box:

4100 POS

Safety Sheet

A/C power cord

Note: *Options such as the keyboard, customer display, printer and LCD monitor may be shipped in separate boxes.*
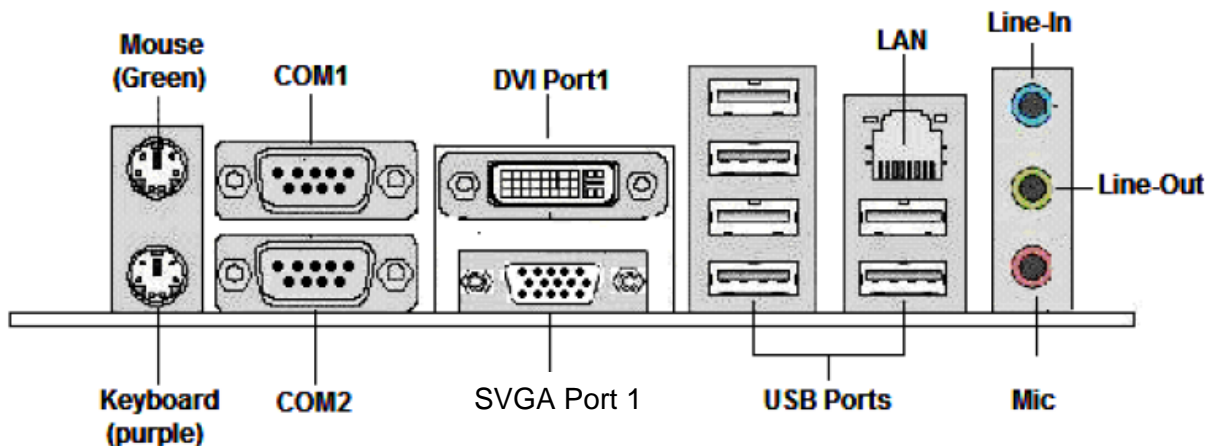
Peripheral Support

- The 4100 POS System keyboard options are the UTC RETAIL Model M750 or a standard PC type keyboard.
- The M750 keyboard was designed for POS environments; it has a built-in 3-track MSR and comes in QWERTY layouts.
- The 4100 POS System was designed to coordinate with the UTC RETAIL Pole Display options.
- The 4100 POS System supports many different printers, such as the Epson H6000 or TM-T88.
- The 4100 POS System supports UTC RETAIL 15" flat panel LCD displays. The displays are available in touch screen and non-touch configurations.

Logic Module Specifications

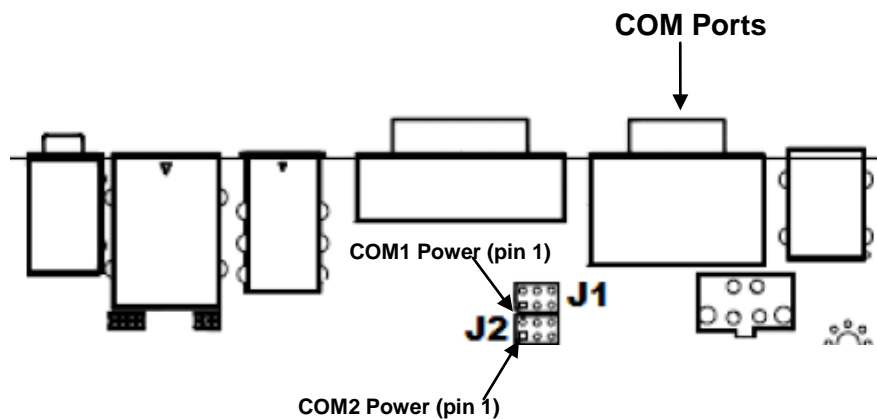|	4100
Processor	Pentium® E5300 (2.6 GHz)
System Memory	2GB (up to 8 GB)
Hard Drive	250GB
Front Side Bus	800 MHz
Video Memory	256MB shared memory
SVGA	Yes
DVI	Yes
PCI / PCI Express Slots	2 / 1
Keyboard Port	Yes
Mouse Port	Yes
RS-232	2
USB Interface Ports	6
Audio Ports	Yes
Network Port	10 / 100 / 1000 LAN
Customer Display (optional)	2-line x 20 character VFD
MSR (optional)	3 Track
Display (optional)	15" LCD (touch or non-touch)
Keyboard options	UTC RETAIL Programmable POS or Standard PC
Cash Drawer	Optional
Dimensions (W x D x H)	12.75" x 11.75" x 4.25"
Operating Systems	Microsoft® Windows® XP (downgrade) Microsoft® Windows® 7 Professional Windows POSReady 2009

Rear Panel

Back Panel View

COM Port Power

The RS232 ports (COM1, COM2) can be configured to supply power to pin 9 of their DB9 connector. COM2 is set by default to have +5VDC on its pin 9.

The pin 9 power options are 0, +5, or +12VDC.

Power selection jumpers are located on the motherboard. The table below summarizes the RS232 DB9 pin definitions:

PIN NO.	1	2	3	4	5	6	7	8	9
Signal	CD	RX	TX	DTR	GND	DSR	RTS	CTS	RI or 5V/12V output

COM Ports

COM1 Power (pin 1)

J1

J2

COM2 Power (pin 1)

J1: Select RI/VOLTAGE output for DB9 pin 9 of Port 1.
J2: Select RI/VOLTAGE output for DB9 pin 9 of Port 2.

Pins jumpered	Pin 9 Setting
1 – 2	RI
3 – 4	+5V
5 – 6	+12V

Supported Peripheral Options Details

	USB	Serial	PS/2
LCD Screen Options			
15" LCD touch (Elo 1515L, optional 3-track MSR)	✓		
15" LCD non-touch	NA		
Printer Options			
Epson H6000IV	✓	✓	
Epson TM-T88V	✓	✓	
Keyboard Options			
UTC RETAIL M750			✓
Standard PC keyboard	✓		✓
Pole Display Options			
PD1200		✓	

Power Requirements

The 4100 POS System has one AC power cord. A dedicated, clean power source is recommended. UTC RETAIL offers a variety of UPS options. Contact your sales agent.

Voltage: 120 VAC ± 10%
Current: 5 Amps maximum, with all peripherals connected

PCI Slot Support Options

The PCI slots support two standard low-profile PCI cards and one PCI express card (PCI-e x 4). Depending on the configuration purchased, expansion cards may already be installed in these slots.

System Installation Guide

Please refer to the 4100 POS System Installation Guide, which may be downloaded from the UTC RETAIL's website at www.utcretail.com.

Note: The 4100 must be orientated with its rubber feet down. Do not mount the unit on its side. Consideration should be taken to ensure that none of the unit vents are blocked. Blocking the vents may cause damage to the unit.

Please call UTC RETAIL's Technical Support at 800.349.0546 if you have any problems not addressed in the Troubleshooting Procedures or have questions about other sections of this documentation.