



## **USER GUIDE**

### **THALES POST-L-0H-10**

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## **ABOUT THIS COMPUTER**

- Appliance inlet is used as disconnect device.
- This product is also designed for IT power distribution system with phase-to-phase 230V
- The Maximum Recommended Ambient Temperature (T<sub>mra</sub>) is 41°C

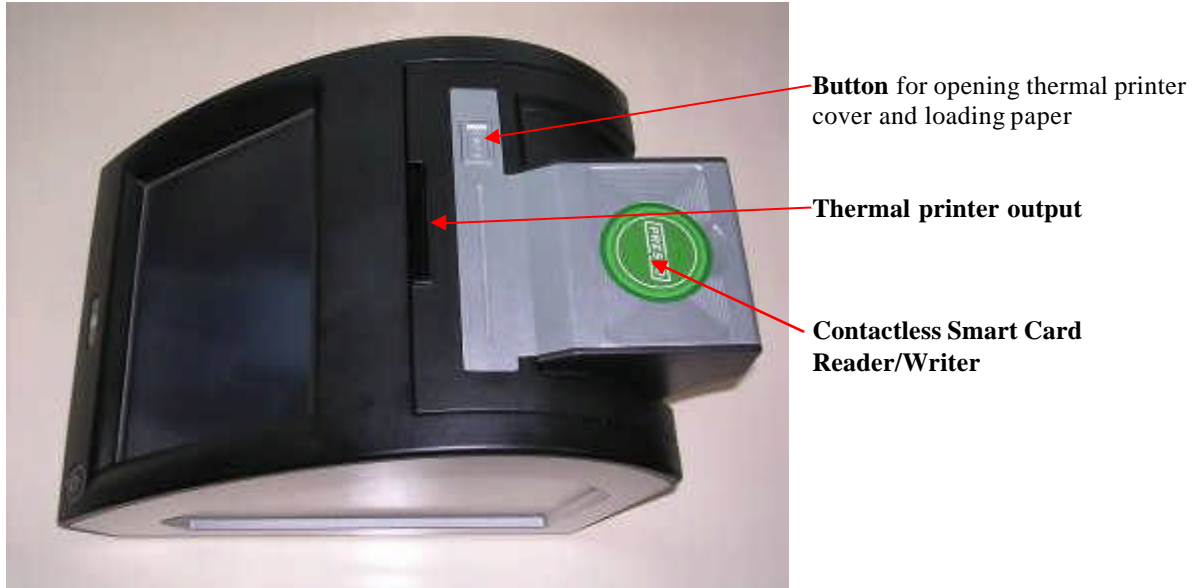
\* \* \* \* \*

Remark : This user guide is based on ‘THALES LPOS (POST-L-0H-10) Specification, Design & Manufacturing” document.

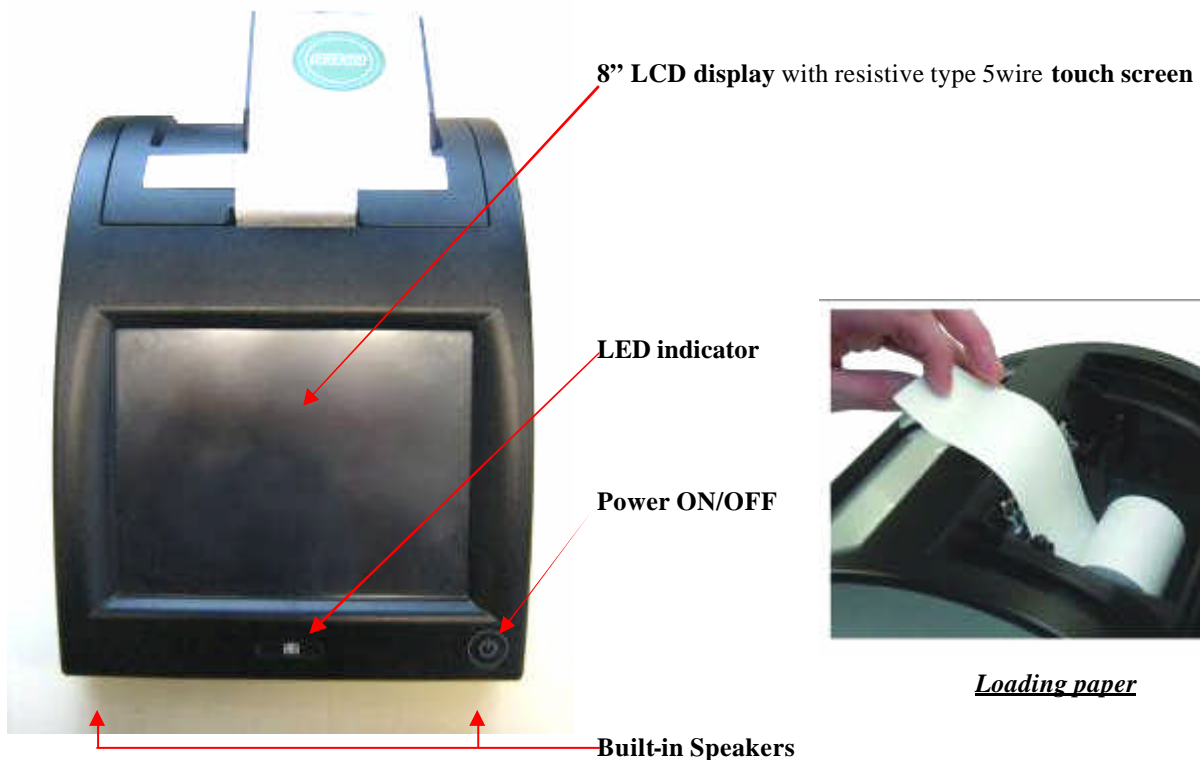
## **I. TERMINAL DESCRIPTION**

**WARNING** : *The THALES POST-L-0H-10 terminal must only be used by authorized and trained technician. It's normally protected by specific seals. For accessing to its internal parts, the authorized technician must use special screwdrivers and keys.*

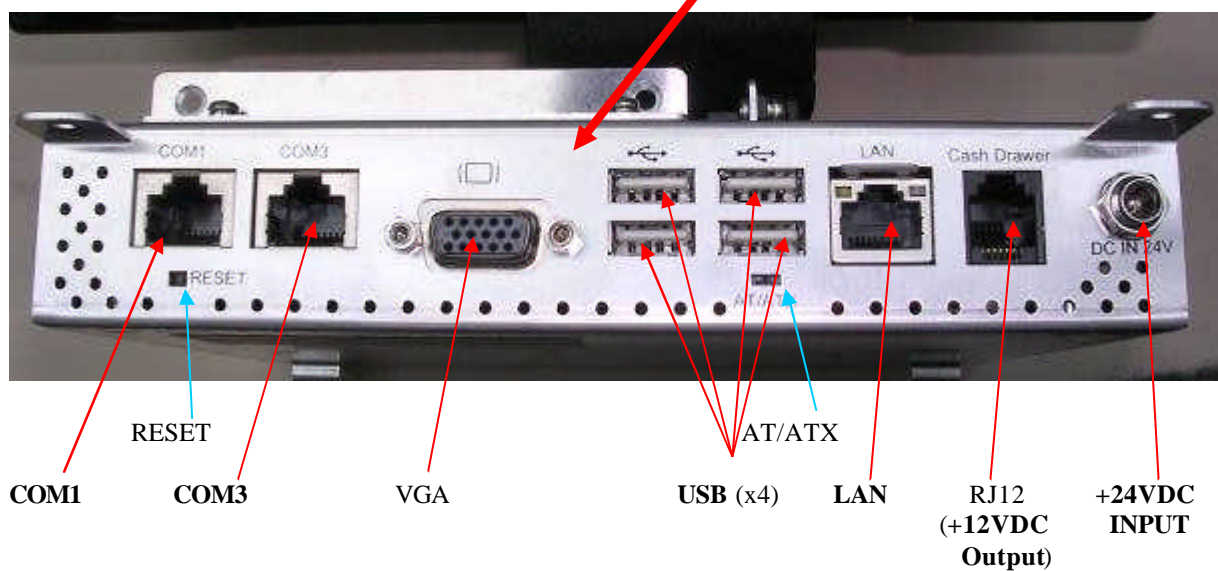
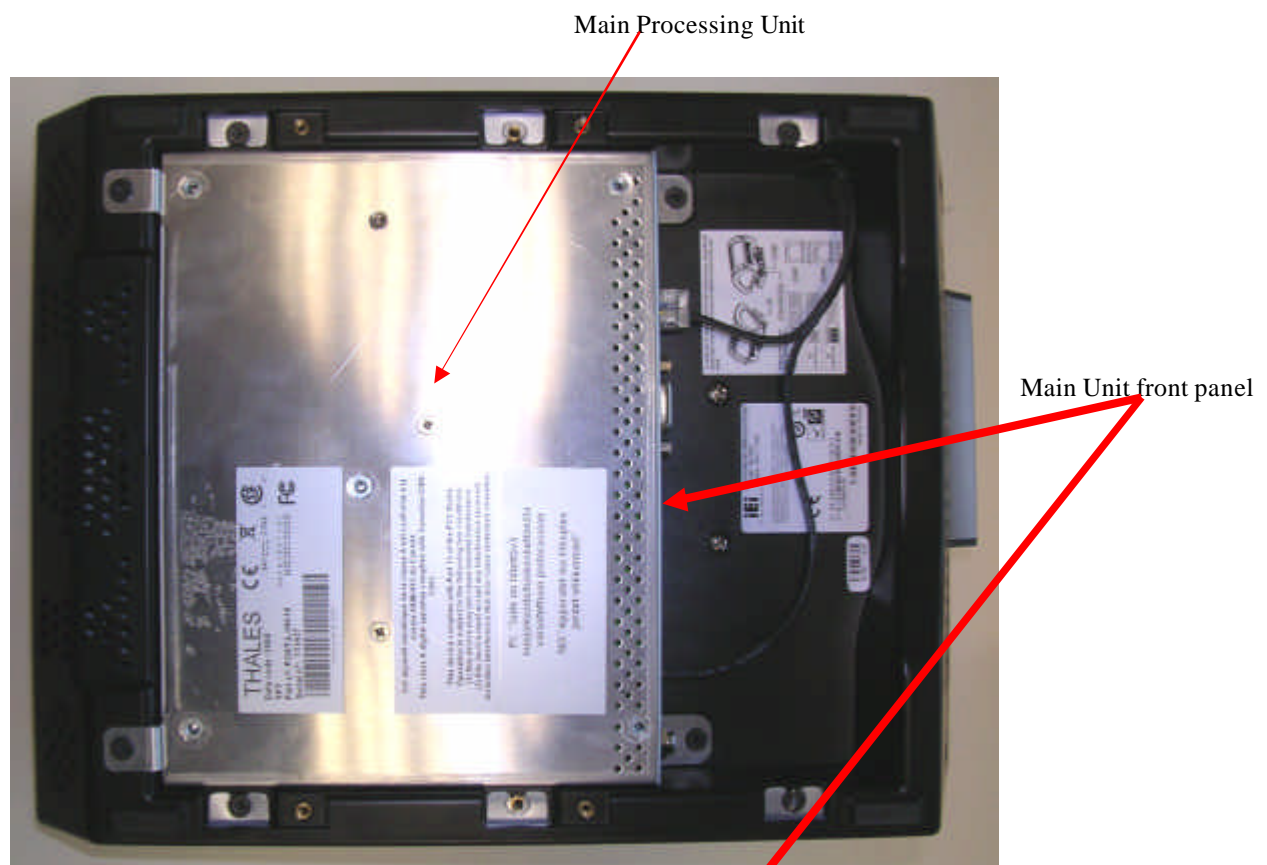
The THALES POST-L-0H-10 terminal must only be used in **standing (vertical) position**



### **I.1) Front Side view**

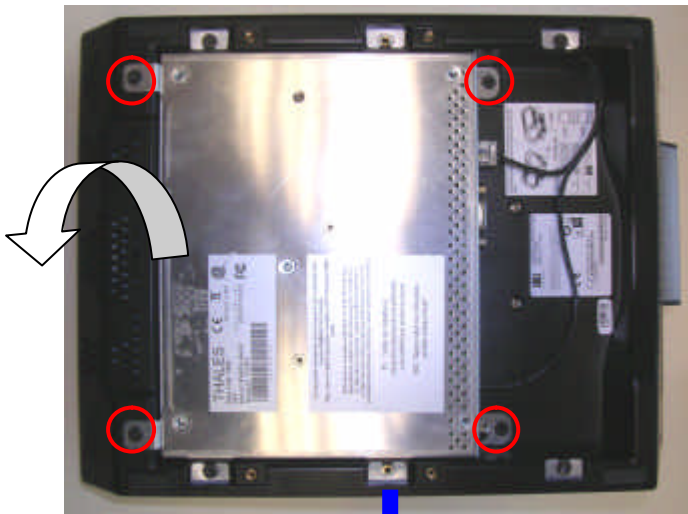


### I.3 Rear Side View



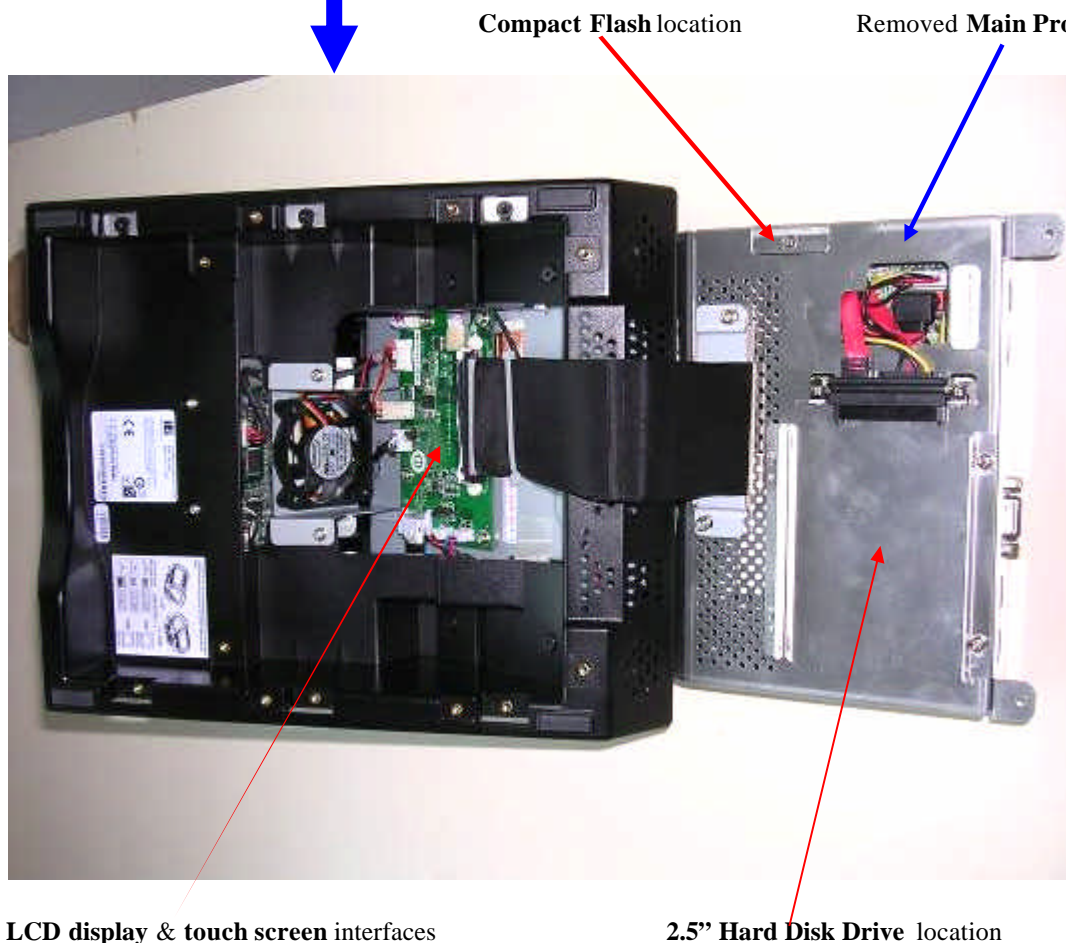
## I.2.a) Removing the Main Processing Unit

**WARNING:** Before removing any part of the LPOS (THALES POST-L-0H-10) terminal, all power cables must be disconnected from their electrical outlets.



For removing the Main Processing Unit from the LPOS (THALES POST-L-0H-10) terminal, the (trained) technician must

- remove all cables and devices connected to the Main Unit front panel [specially the AC Adapter connected to the “+24VDC INPUT” and the two cables connected to COM3 (RJ45 connector) and to Cash Drawer (RJ12 connector) (*see previous page*)]
- remove the four (4) screws located inside the 4 red circles



LCD display & touch screen interfaces

2.5" Hard Disk Drive location

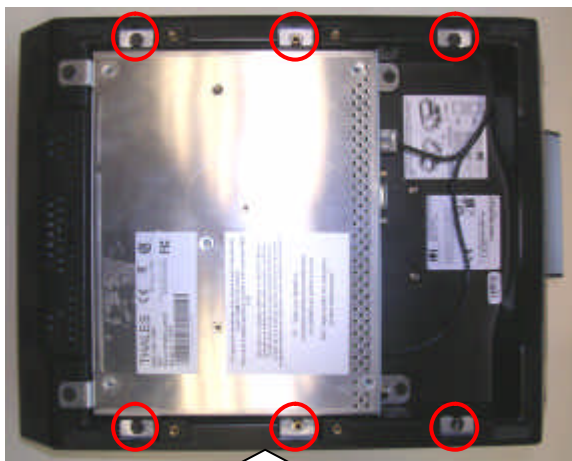


## I.2.b) Removing the Side Cover

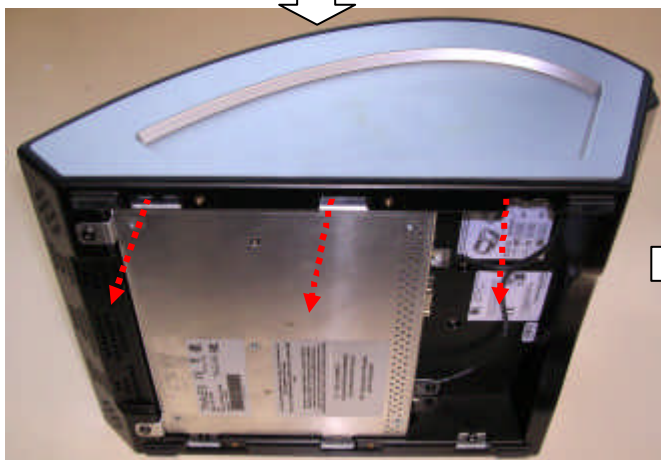
LPOS (POST-L-0H-10) terminal side cover



This side cover can be temporarily removed for maintenance operations. After that, it will be immediately put back in its place.



To access the internal parts of the computer, side covers can be removed (or put back to its place) by loosening (or tightening) the six (6) screws located inside the red circles (3 screws for each side cover).



## **II. Electromagnetic Compatibility**

Electromagnetic Compatibility is the ability of items of electronic equipment to function properly together in the electronic environment.

This terminal has been designed to be compliant with regulatory agency limits for Electromagnetic Interference :

FCC CFR 47 part 15.107 et 15.109 classe A  
CISPR 22 (2006) classe A (ICES 003 pour Industry Canada)

EN61000-4-2,  
EN61000-4-3,  
EN61000-4-4,  
EN61000-4-5,  
EN61000-4-6,  
EN61000-4-8,  
EN61000-4-11

### **Information to user:**

For ICES003 and Europa

#### **Warning**

**This is a Class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.**

For FCC

**“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 own expense.”**

**Pursuant to Part 15.21 of the FCC Rules, any changes or modifications to this equipment not expressly approved by THALES may cause, harmful interference and void the FCC authorization to operate this equipment.**

### **III. SAFETY instructions for installing and using the computer**

#### **III.1) General**

Remark : This terminal is a specific device. Its inner parts can only be accessed by authorized and trained technician.

Do not attempt to service the terminal yourself unless you are a trained technician.  
Always follow the installation instructions closely.

To help avoid hazard of electric shock, do not connect or disconnect any cable or perform maintenance or reconfiguration of this product during an electric storm.

Before adding or replacing any device, all power cables must be disconnected from their electrical outlets.

Before cleaning the computer, it must be disconnected from the electrical outlet. The computer must be cleaned with a soft cloth dampened with water. Do not use liquid or aerosol cleaners, which may contain flammable substances.

#### **III.2) Power**

To help prevent electric shock, plug

a) the AC adapter (**AC→24VDC**) to the Main Processing Unit grounded “24VDC INPUT” (marked “DC IN 24V”, see § “I.3 Rear Side View”), then plug

b) the AC Adapter to main AC outlet by using a power cable equipped with 3-prong plugs to provide an earth grounding connection.

Do not remove the grounding prong from the power cable plug.



Suitable 3-prong main outlet

*If you use a power extension cable, use the appropriate type (3-prong) to mate the AC power cable.*

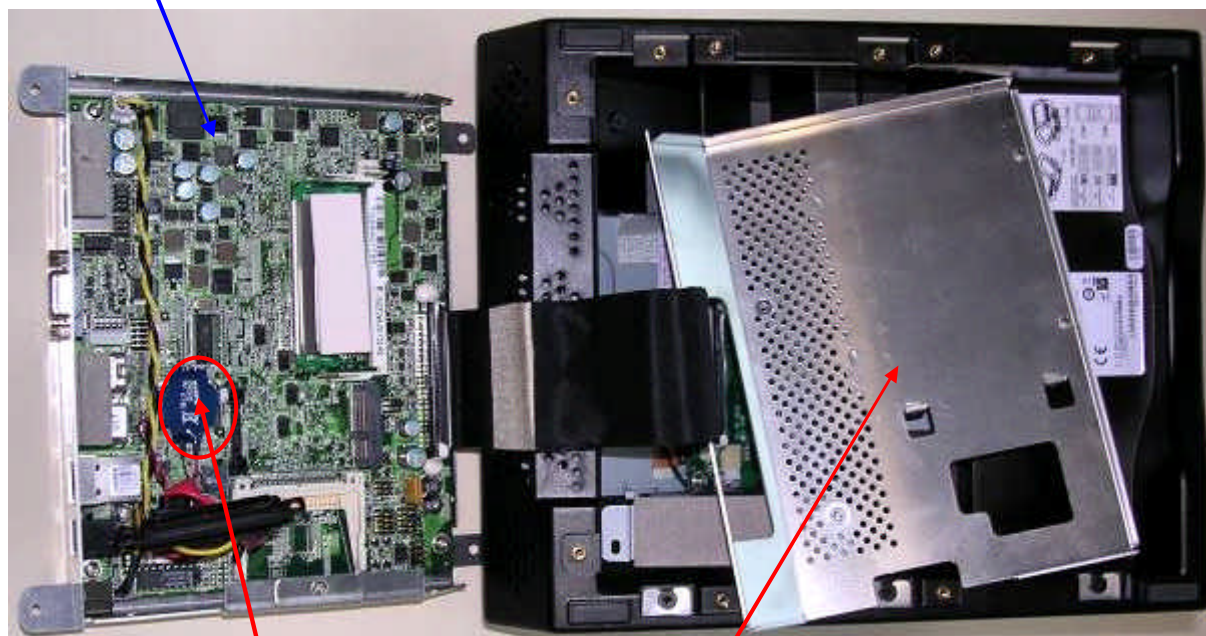
**ESP070-RAA AC power adapter used with LPOS (POST-L-0H-10) (POST-L-0H-10) terminal**



### **III.3) Motherboard's Battery**

For saving data stored in LPOS (POST-L-0H-10) terminal motherboard's CMOS RAM, a "Lithium coin" battery is used. It's 3.0 volts (nominal voltage) Lithium / Manganese Dioxide (Li/MnO<sub>2</sub>) battery (see the battery location in the following photography).

EP-308A motherboard



Lithium "coin" battery

Main Processing Unit's cover

This "coin" battery must be changed periodically to make the computer properly work (typical periodicity > 2 years).

**CAUTION** : Risk of explosion if battery is replaced by an incorrect type. Dispose of used batteries according to the instructions.

**Instructions** : Do not dispose of your LPOS (POST-L-0H-10) terminal's battery in a fire or in abnormal household waste : battery cells may explode. Discard a used battery according to the manufacturer's instructions or contact your local waste disposal agency for disposal instructions. Dispose of a spent or damaged battery promptly.

#### **IMPORTANT REMARK** :

Because the LPOS (POST-L-0H-10) terminal's motherboard is not easy to reach, only trained technicians are allowed to do the "coin battery" replacement operation [cf. "LPOS (POST-L-0H-10) Maintenance" document].

### **III.4) Signal Cables quality**

Use shielded signal cables to ensure that the appropriate electromagnetic compatibility classification is maintained for the intended environment.

### **III.5) Static Electricity**

Static electricity can destroy electronic components inside the computer. To prevent static damage, discharge static electricity from your body before you touch any of the computer's electronic components, such as a memory module. You can do so by touching an unpainted metal surface on the computer's input/output panel.

Handle components with care. Hold a component such as a memory module by its edges, not its pins.

### **III.6) General Instructions**

#### **III.6.a) WHEN USING THE TERMINAL**

Protect the computer from environmental hazards as dirt, dust, food, liquids, temperature extremes and over exposure to sunlight.

When the computer is moved between two environments with very different temperature and/or humidity ranges, condensation may form on or within the computer. To avoid damaging the terminal, allow sufficient time for the moisture to evaporate before using the terminal.

When taking the terminal from low-temperature conditions into a warmer environment or from high-temperature conditions into a cooler environment, allow the computer to acclimate to room temperature before turning on power.

When you disconnect a cable, pull on its connector or on its strain-relief loop, not on the cable itself. As you pull out the connector, keep it evenly aligned to avoid bending any connector pins. Also, before you connect a cable make sure that both connectors are correctly oriented and aligned.

#### **III.6.b) IF YOUR TERMINAL GETS WET**

If the terminal is connected to an electric outlet, it is recommended to turn off AC power at the circuit breaker before attempting to remove the power cables from the electrical outlet.

Use the utmost caution when removing wet cables from a live power source.

Do not use artificial means such as hair dryer or a fan to speed the drying process.

To help prevent electrical shock, verify that the computer is thoroughly dry before continuing to work

### **III.7) When working inside the terminal.**

Before performing maintenance inside or outside the terminal, wait at least 5 seconds after turning off the computer before disconnecting an external device (peripheral), removing or changing a memory module or an add-on card, to help prevent possible damage to the main board.

### **III.8) Protecting against Electrostatic Discharge**

Static electricity can harm or destroy electronic components inside the computer.

To prevent static damage, discharge static electricity from your body before you touch any of your computer's electronic components. You can do so by touching any unpainted metal surface on the back of the computer.

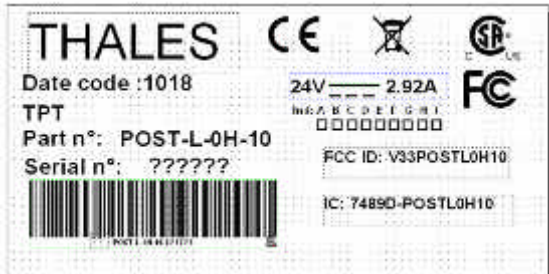
You can also take the following steps to prevent damage from electrostatic discharge (ESD) :

- When unpacking a static-sensitive component from its shipping carton, do not remove the component from the antistatic packing material until you are ready to install the component. Just before unwrapping the antistatic packaging, be sure to discharge static electricity from your body.
- When transporting a sensitive component, first place it in an antistatic container or packaging.
- Handle all sensitive components in a static-safe area. If possible, use antistatic floor pads and workbench pads.

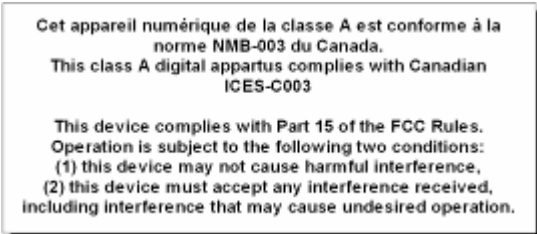
**IV) Specific Labelling**

IV.1) CSA Approval Labelling (project)

Planned final label (with expected **cCSAus** Approval logo)

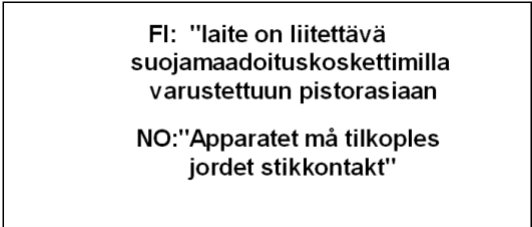


IV.2) EMC Labelling -



EMC labels  
(in French & in English)

IV.3 Labelling in Finnish & Norwegian



Labelling in Finnish & in  
Norwegian

IV.4 Temperature warning Label



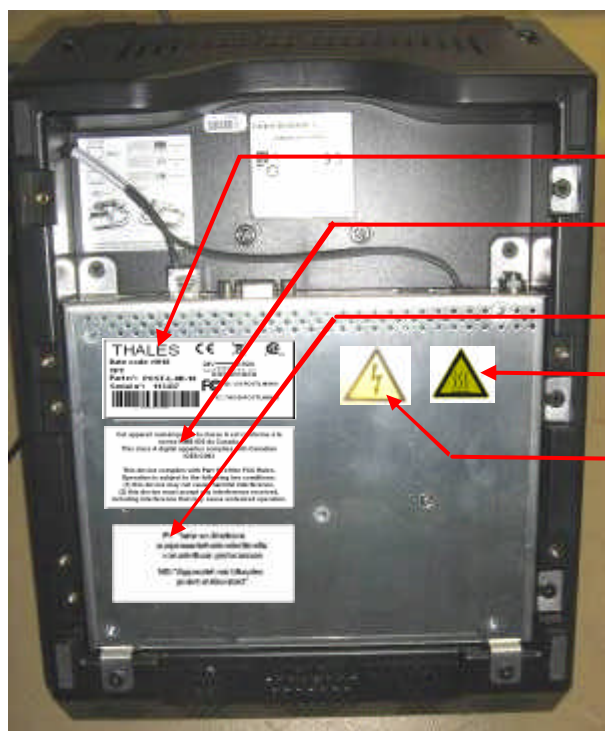
Text color : BLACK  
Back color : YELLOW  
Frame : BLACK  
Dimension : 30 mm  
Material : supple stickly polyester

#### IV.5 Electrical warning label



Back color : YELLOW  
Frame : BLACK  
Dimension : 30 mm  
Material : supple stickly polyester

#### IV.6) Labels locations



The three (3) LPOS (POST-L-0H-10) specific labels are stuck under the EP-308A case as shown in the picture.

*Serial Number with CSA Approval Label*

*EMC Labels (in French & in English)*

*Labelling in Finnish & Norwegian*

*Temperature warning label*

*Electrical warning label*