

MODEL 132 MAINTAINING REGULATORY COMPLIANCE



WARNINGS

Read and adhere to all of these instructions supplied for the Model 132 system. Failure to follow these instructions will result in voiding the product's regulatory compliance statements. The computer system will most likely be noncompliant with other regional product laws and regulations.

Critical Components: To maintain the Model 132 CSA listing and Model 132 compliance to other regulatory certifications and/or declarations the following **Critical Components** must be used.

The Model 132 product is a **Critical Component**. The SySTIUM® Model 132 must be used without modification to the cooling fans or the chassis enclosure. The power supplies listed below are included with the Model 132. Any Model 132 power supply substitution or modification will invalidate the Model 132 regulatory compliance.

One of the motherboards listed in the table below **must be used** with the Model 132. Use of any other motherboard will invalidate the Model 132 regulatory compliance. The integrator must use the heat sink listed as required to ensure regulatory compliance. The table below was constructed using a CPU no greater than 95W TDP. Using a higher wattage CPU will invalidate the Model 132 regulatory compliance. .

<u>MFG</u>	<u>Motherboard</u>	<u>Notes</u>	<u>Power Supplies</u>	<u>Heat Sink Required</u>	<u>All CPU's to:</u>
Intel	D945GSEJT		FSP060-DBAB1	Motherboard supplied	Atom N270 1.6 GHz
ITOX	NP101-D16C		FSP060-DBAB1	Motherboard supplied	Atom N270 1.6 GHz
ITOX	LR101-B16D		FSP060-DBAB1	Motherboard supplied	Atom D510 1.6 GHz

Optional Components: In addition to the required **Critical Components** listed above **Optional Components** may be integrated by the assembler/integrator. **Optional Components** include peripherals (HDD, SSD, optical drives, etc.) and add in /add-on adapters (PCI, PCI-e, USB devices, etc.). The assembler/integrator assumes responsibility for ensuring the **Optional Components** meet Model 132 regulatory compliance.

POWER SUPPLY Part number 10611-60 power supply is the Systium® FSP060-DBAB1

CHASSIS You must use the Systium Model 132 without modifications.

NOTE: If a Class A device is installed within this system, then the system is considered a Class A system with respect to the FCC and CE certification

NOTE: Effective January 1, 2013 the CE Mark also includes Environmental Conformance Requirements (RoHSII). SySTIUM® maintains a RoHSII technical file for the Model 132 (and any Critical Component or Optional Component supplied by SySTIUM®) The SySTIUM® Technical File is available upon request and signed NDA. The assembler/integrator assumes responsibility to maintain a CE compliant technical file on all Critical Components and on all Optional Components that were integrated into the Model 132 to ensure compliance with the CE mark.

NOTE: The information documented above is updated as required on the SySTIUM® Website (www.SySTIUM.com). Please check the website for information on new supported Critical Components and/or processor speeds.

Validating Power Budget – It is the responsibility of the assembler/integrator to validate that the Model 132 maximum power budget is not being exceeded. The computer's assembled configuration maximum power load cannot exceed the safety certification configuration maximum power load. Note that the power supply's output ratings are higher than the Model 132 system safety certification ratings. Customer configurations must be checked to ensure that the system's safety certification loads are not exceeded; otherwise the CSA safety certification is null and void.

The power calculation table is provided below to assist in verifying that the assembled system remains compliant with the Model 132 maximum power load configuration to maintain CSA safety certification. It is recommended that a copy of the filled out table be filled with the assembly plan for the configuration and be available for CSA safety inspection when necessary.

NOTE: It the **assemblers/integrators responsibility** to determine and validate the amperage and power ratings of any Optional Components (Add-in PCI / PCIe / USB loads and verify that they fall within the Add-In Total Load line item provided. The final system configuration's power budget must fall within the Safety Maximum to maintain compliance.

60 Watt Power Supply Power Budget:

<u>Peripheral Location</u>	<u>Maximum Power Rating</u>
2.5" Hard Drive	6 Watts

NOTE

The peripheral power ratings are typically listed on the product identification label on the peripheral. The manufacturer's specifications are another source of this information. The load wattage is determined by multiplying the peripheral supply voltage by the peripheral's maximum current draw for that voltage. For dual voltage peripherals the total load wattage is the sum of each supply voltage's wattage.

NOTE

Use Only for Intended Applications

This product was evaluated as Information Technology Equipment (ITE) that may be installed in offices, homes and similar locations. The use of this product for other Product Safety Categories or Environments other than ITE may require further evaluation. Examples of other Product Safety Categories are Medical Instrumentation or Control and Test Equipment. Check with your Local Product Safety Agency for further information.

REGULATORY INFORMATION

A computer system, when correctly configured and assembled as instructed in this document, meets the following safety and EMC regulations.

SAFETY COMPLIANCE

UL 60950-1 Second Edition, CSA60950-1-07 Second Edition

Information Technology Equipment - Safety - Part 1: General Requirements

EN 60950-1:2006+A11

*The Standard for Safety of Information Technology Equipment including Electrical Business Equipment. (European Union)
"EN 60950 compliance"*

IEC 60950-1:2005

The Standard for Safety of Information Technology Equipment including Electrical Business Equipment. (International)

EMC COMPLIANCE

FCC Class B

Title 47 of the Code of Federal Regulations, Parts 2 & 15, Subpart B, pertaining to unintentional radiators. (USA) "EMI regulations" "FCC compliance"

CISPR 22; 2003

*Limits and methods of measurement of Radio Interference Characteristics of Information Technology Equipment. (International)
"CISPR 22compliance"*

EN 55022

*Limits and methods of measurement of Radio Interference Characteristics of Information Technology Equipment. (Europe)
"EN 55022 compliance"*

EN 55024-1 2003

ITE Immunity Standard;

ICES-003, Issue 3

Interference-Causing Equipment Standard, Digital Apparatus. (Canada)