IBM®

IBM System x35650 T
Filter Installation Guide

December 2005

Contents

Figures

IBM System x3650 T Filter Installation

Warning

Installation of Filter WILL cause system internal temperature to rise over time. Please refer to the filter replacement recommendations in this document.

This guide contains basic instructions for the implementation of a particulate filter in the IBM System x3650 T server. This guide assumes user familiarity with the Intel® Server Management (ISM) and Telco Alarms Manager (TAM); these software features are supported on the resource CD that accompanied your system. Please refer to <u>www.support.intel.com</u> (post launch) or contact your Intel representative for further information on ISM installation and usage.

Replacement Schedule

Intel acknowledges that filter maintenance intervals are application specific and depend highly on system configuration, system utilization, and environmental conditions. Intel recommends that air filters be replaced approximately every 90 days. In addition, Intel recommends that Intel® Server Management (ISM) or equivalent OEM management software be installed on the system to monitor system sensors. In the event of an alert related to either temperature or fan RPM, Intel recommends that the user first inspect the air filter for replacement as the most likely cause of the alert.

Features

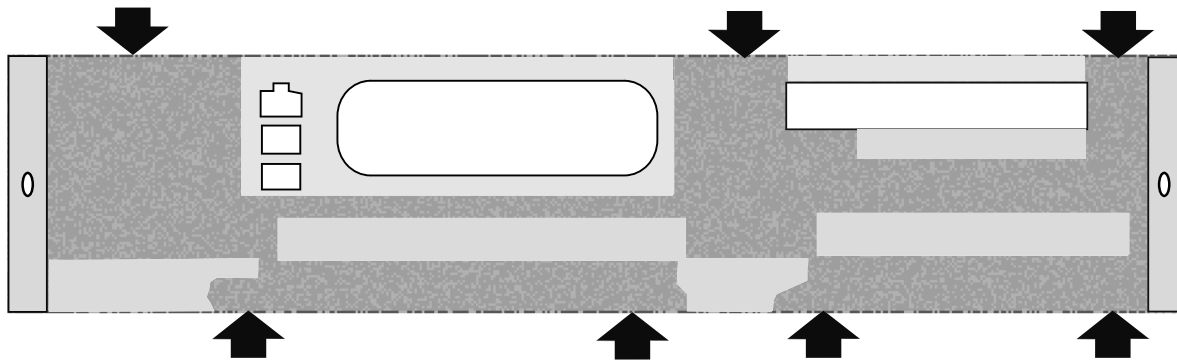The Filter is 94V-0 compliant (NEBS).

Clogged Filter Alerts

A clogged filter may cause the following alerts to be activated in Intel® Server Management:

- ISM SDR Alert
- Processor 1 Temp
- Processor 2 Temp
- Baseboard Temp
- Front Panel Ambient Temperature

Filter Installation

The Front Filter will lay flat in the bezel frame and cut-outs will align with all button, LED and peripheral apertures. The Filter's edges must be snapped in at the points indicted by the arrows in the following figure (Figure 1). Alignment of Filter in the bezel is important in order to prevent air bypass under the Filter and to provide support of the Filter's edges.

TP210

Figure 1. Telco/Industrial Grader Server TIGPR2U Front Filter

IBM®

Printed in the United States of America.