



Dismantling Guide

PNs: MTB4010B-PC, MTB4020-PC, MTB4020B-PC
Rev. 1.0



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Revision

Table 1: Revision

Revision	Date
1.0	Oct. 2010

Preface

This manual is intended as a reference for dismantling MTB40[12]0[B]-PC, gateway systems in preparation of meeting the requirements of WEEE recycling. Intended Audience

This manual is intended for technicians who dismantle the switch systems as a reference for WEEE recyclers.

Mellanox Technologies emphasizes the importance of carefully following all procedures described in this guide to prevent personal injury.

Switch OPNs

This document is valid for all of the switch OPNs listed in Table 2.

Table 2: Switch OPNs for this Procedure

MTB4010B-PC

MTB4020-PC

MTB4020B-PC

Policy Statement

Mellanox Technologies recognizes the importance of developing connectivity solutions that not only enable our customers to optimize their data centers performance, but also protect the environment and ensure that future generations enjoy its bounties. Mellanox Technologies is committed, therefore, to meeting the requirements of the European Union's WEEE (waste electrical and electronic equipment) directive. The directive mandates how the materials used in electrical and electronic equipment must be disposed of.

Mellanox Technologies has worked closely with its suppliers to eliminate hazardous materials from its Products. There are instances, however, where it has not proven possible to completely eliminate all hazardous materials. Consequently, all applicable products are labeled with a crossed out "wheelie" bin symbol, indicating that special care must be applied to their disposal and / or recycling.

1 Dismantling Instructions

This guide provides detailed instructions for dismantling the Mellanox gateway systems. Follow the instructions in the order they are presented.

1.1 Gateway Systems - General

The gateway system complies with the RoHS directive under the exemptions known as RoHS-5.

The last digit of the product part number represents the RoHS type.

For example:

MTB4010B-PC — C = RoHS-5

The gateway system is comprised of:

- Main Board
- CPU board with battery
- Management Board
- Fan unit
- Harness
- Power supply unit
- Cover
- Handles

1.2 General Preparations

The gateway system is assembled using Philips screws, and handles with snap in latches for modules.

To disassemble the gateway system parts you will need a small Philips screwdriver.

The pictures displayed in the following pages provide visual guidance explaining how to remove the modules from the mechanical base.

2 Remove the Brackets

Use a Phillips screwdriver to remove the brackets.



3 Extracting the Modules

3.1 Extracting the Power Supply Unit

Figure 1 Power Side of the Gateway

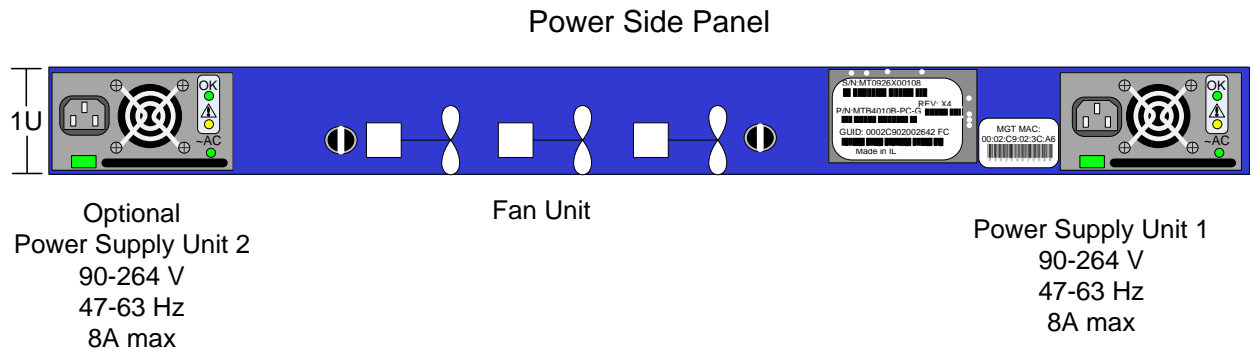
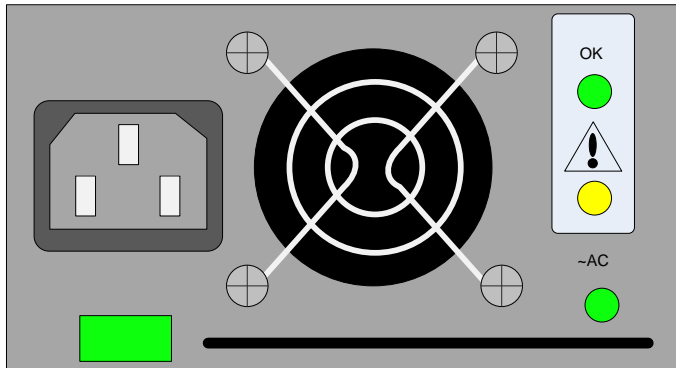


Figure 2 PSU



To extract a PSU:

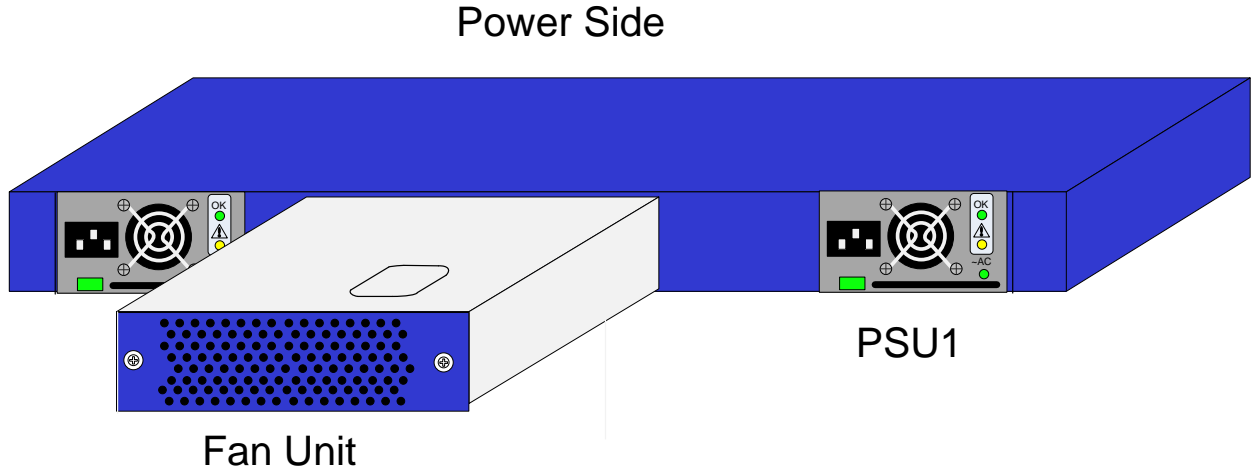
1. Remove the power cord from the PSU.
2. Grasping the handle with your right hand, push the latch release with your thumb while pulling the handle outward.
3. Remove the PSU.
4. If the Gateway has two PSUs repeat steps 1-3 to remove the second PSU.
5. For the blank cover on the left side of the gateway unscrew the thumbscrews and pull out the cover.

3.2 Extracting the Fan Unit

To extract the Fan Unit

Unscrew the thumbscrews using your fingers or using a Philips screwdriver. Pull on the thumbscrews to remove the fan unit.

Figure 3 Extracting the Fan Unit



3.3 Removing the Cover

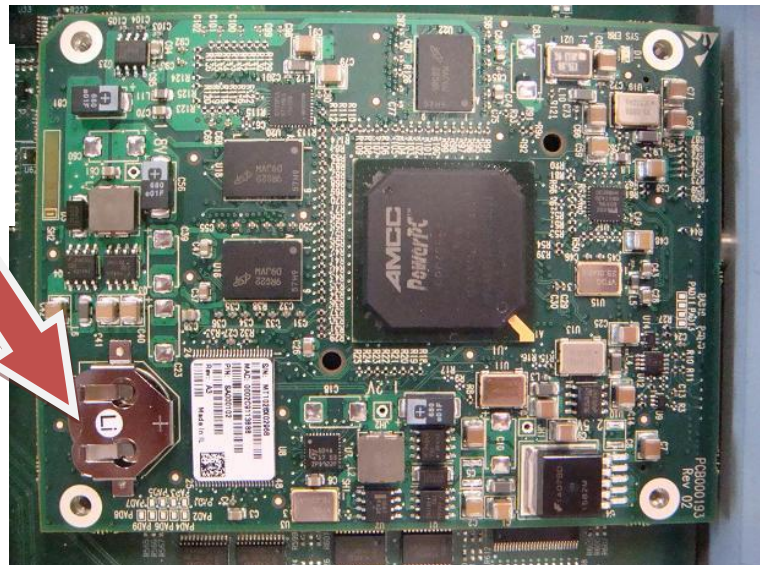
Unscrew all of the screws from the top and sides of the cover and remove the cover.

3.4 Extracting the Battery

In all managed Mellanox systems there is a CPU board and / or Management board, there is a: COIN TYPE LITHIUM BATTERY CR1620 3V 75MA.

Figure 4 Remove Battery

Remove the battery

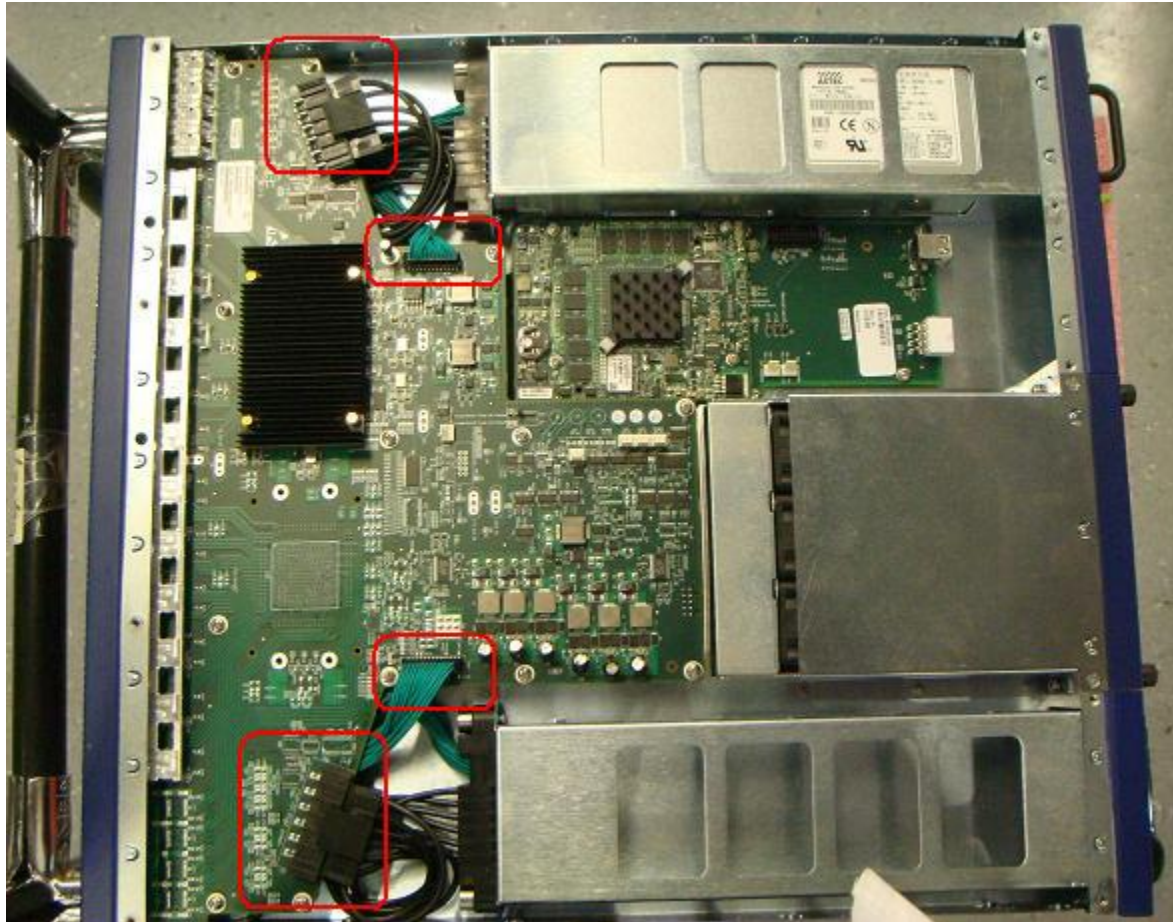


Remove the battery before removing the board.

3.5 Extracting the Board

1. Disconnect the harness connectors between the units.

Figure 5 Remove Harnesses



2. Unscrew the Philips screws and remove spacers to remove the main board, and management board.

Figure 6 Main Board Screw Locations

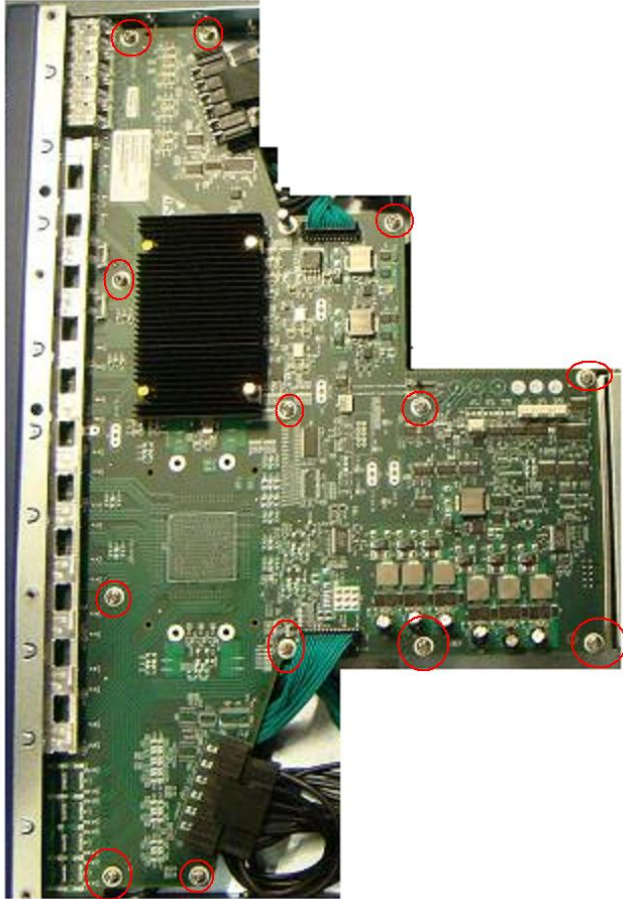
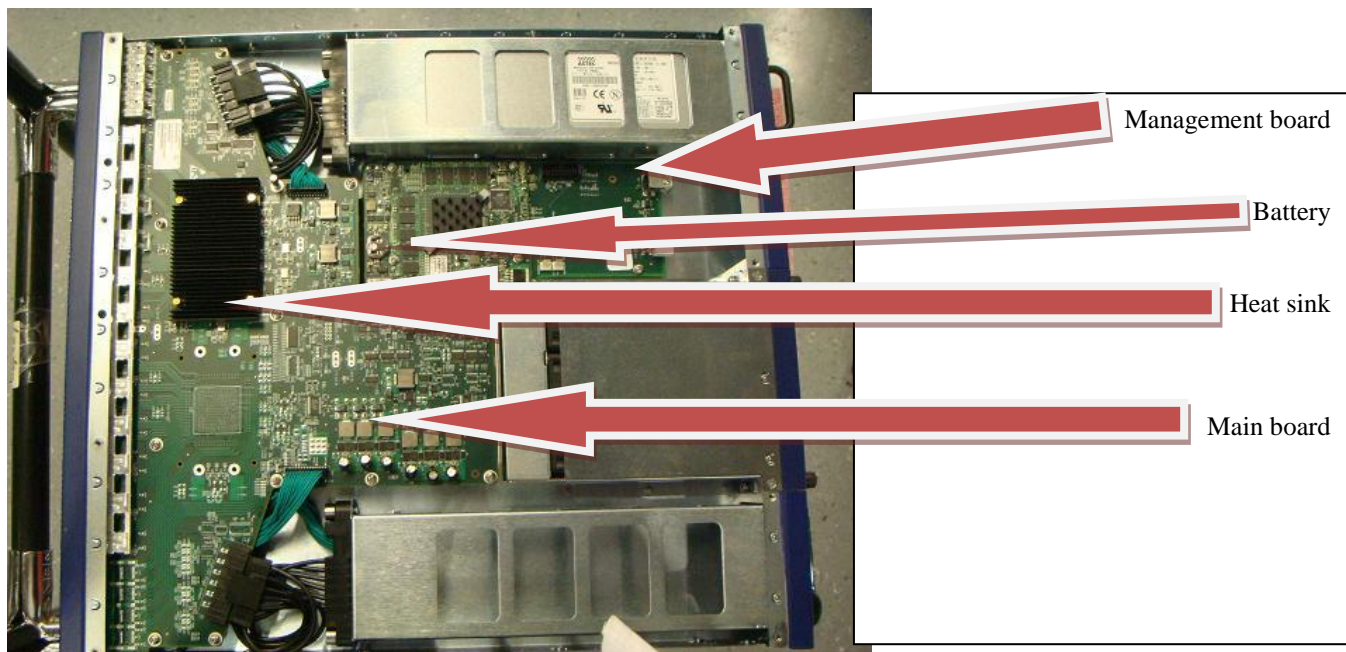


Figure 7 Remove Heat Sink and Boards



3. Unscrew the Philips screws and remove spacers to remove the rest of the boards.

