### 3.2 Installing Hard Drive or SSD

1. Install mSATA SSD to the mSATA slot indicated on Figure 3.

2. Install SATA hard drive or SSD by connecting the SATA power and data cable to the connectors indicated on Figure 3.

3. Use the jumpers to select between using mSATA or standard SATA port for SATA0 and SATA1, each port can connect to one SATA device at a time.
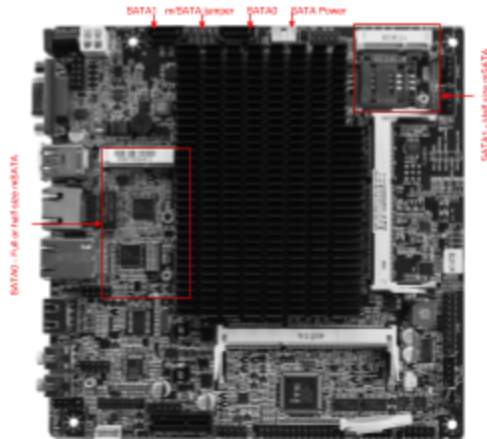


**Figure 3: SATA and mSATA**

### Order Information

| SKU | Description | MFG PN |
|---|---|---|
| MITX-6770S-J1900 | Dual NIC, TPM, 7.1 Audio | 2.06.0677000119 |
| MITX-6770N-J1900 | Single NIC, TPM, 7.1 Audio | 2.06.0677000109  OEM |
| HB-6770-HDMI | DDI 2nd HDMI Add-on Card | 2.04.0677011019 |
| HB-6770-LVDS | DDI LVDS Add-on Card | 2.04.0677011029 |
| HB-POE1230 | POE+ 802.3at Add-on Module | 2.04.0012300009 |

*For more information, please visit www.habeyusa.com*

# MITX-6770
# Quick Setup Guide

## Packing List

| Description | QTY |
|---|---|
| MITX-6770 mainboard | 1 |
| I/O Shield | 1 |
| DB9 Serial cable | 1 |
| SATA Power and SATA cable | 1 |

## Safety Warning

The use and installation of this system should only be performed by professionals. Improper installation of any electronic device or electrical component can result in serious injury or death. Please make sure that all safety precautions are taken into account.

## Static-Sensitive Devices

Electrostatic-Discharge (ESD) can damage electronic components. To avoid damaging your system board, it is important to handle it very carefully. The following measures are generally sufficient to protect your equipment from ESD.

## Precautions

- Use a grounded wrist strap designed to prevent static discharge.
- Touch a grounded metal object before removing the board from the antistatic bag.
- Handle the board by its edges only; do not touch its components, peripheral chips, memory modules or gold contacts.
- When handling chips or modules, avoid touching their pins.
- Put the motherboard and peripherals back into their antistatic bags when not in use.

## 1. Unpacking

The motherboard is shipped in antistatic packaging to avoid static damage. When unpacking the board, make sure that the person handling it is static protected.

## 2. Memory Support

The BIS-6862 supports up to 32Gb, 2 x 260-pin SO-DIMM slot, and DDR4 2133/1600 MHz

## 2.1 Memory Population Guidelines

Note: Be sure to use memory modules of the same type, same speed, same frequency on the same motherboard. Mixing of memory modules of different types and speeds is not allowed.
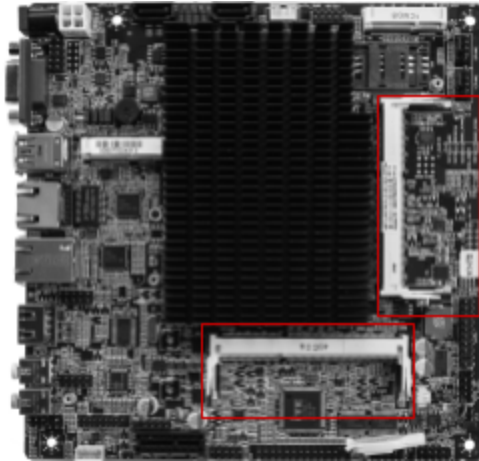


**Figure 1: DIMM**

## 2.2 Populating Memory Modules

1. Install the desired number of SO-DIMM into the memory slots. Pay attention to the notch along the bottom of the module to prevent incorrect DIMM module installation.

2.Insert SO-DIMM module at the proper angle and snap it into place.

## 2.3 Installing a SO-DIMM Memory Card.

Locate the memory slot. Ensure memory is a 204-Pin SO DIMM. Align notch in memory circuit with corresponding guide on the memory slot. Insert the memory circuit at a 45° angle and press the circuit flat and secure it to the memory slot with an audible click on each side of the memory slot.

## 3. Motherboard Installation

The MITX-6770 motherboard has standard mini-ITX mounting holes to fit different types of chassis. Make sure that the locations of all the mounting holes for both motherboard and chassis match. Although a chassis may have both plastic and metal mounting fasteners, metal ones are highly recommended because they ground the motherboard to the chassis. Make sure that the metal standoffs click in or are screwed in tightly. Then use a screwdriver to secure the motherboard onto the motherboard tray.
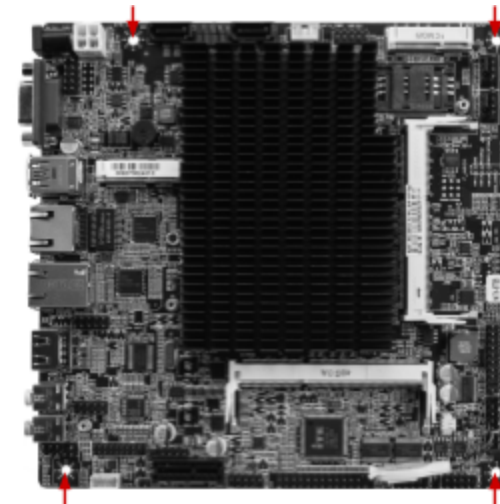


**Figure 2: Location of Mounting Holes**

## 3.1 Installing the Motherboard

1. Install the I/O shield into the back of the chassis.

2. Locate the matching mounting holes on the chassis. Align the mounting holes.

on the motherboard against the mounting holes on the chassis.

3. Install standoffs in the chassis as needed.

4. Using a phillips head screwdriver, insert four Phillips head #6 screws into a

mounting holes on the motherboard and its matching mounting hole on the chassis.