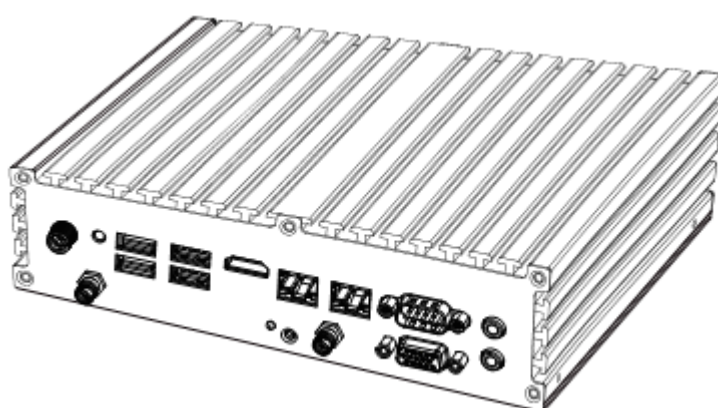


# Smart T8000

## Fanless Embedded System

### User's Guide



Rev: 2.0

Release date: 2016-12-23

**Notice:**

The photos in this file are for illustration purpose only. The model may not be the latest version. Please refer to the product you purchased for actual specification.

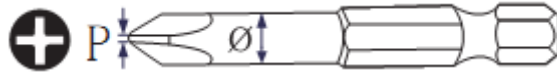
***Nematron***<sup>®</sup>  
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## I. To Open the Chassis



Note:

#2 Phillips Screwdriver is recommended



P: 2.2~2.3mm Φ: 4 / 5mm

1. Locate the screws at the spots marked on this side of the system and unscrew them one by one.



2. Remove the screw in the marked spot on rear panel.



3. Remove the screw in the marked spot on front panel.



4. Lift the cover up to open the chassis.

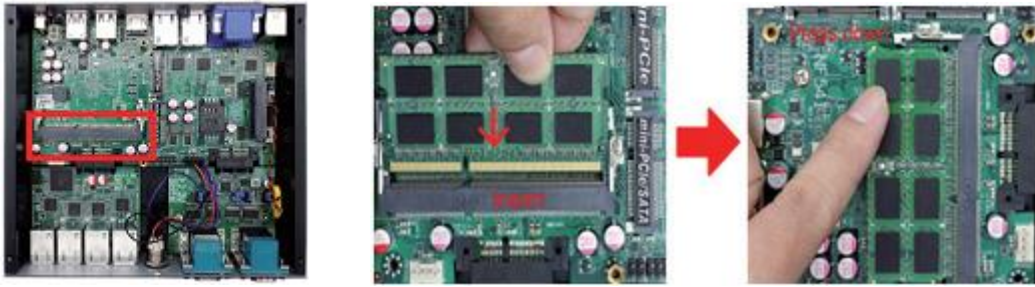


5. The overview of the internal layout of the system.

### **Notice:**

The model in this QIG is for illustration purpose only. Please refer to the product your purchase for actual layout & specification!!

## **II. To Install SO-DIMM to the board**



1. Locate the SO-DIMM slot on the board.
2. Insert the gold-figure side of the compatible SO-DIMM into the slot at a 30 degree and then press down. The eject tab will lock automatically if installed correctly.

## **III. To Install MSATA Card**



1. Locate the full-size MSATA / Mini-PCIE slot on the board.



2. Remove the marked screw and use it to lock MSATA card to the slot in later installation.



3. Insert the gold-figure side of the compatible MSATA card into the slot at a 30 degree angle and press down.



4. Lock the card to the board by tightening up the screw to the marked spot.

## IV. To Install WI-FI Card



1. Locate the Mini-PCIE card slot on the board.



2. Remove the marked screw and use it to lock WIFI card to the slot in later installation.



3. Insert the gold-figure side of the compatible WI-FI card into the slot at a 30 degree angle and press down.



4. Lock the card to the board by tightening up the screw to the marked spot.

5. Locate the reserved Wi-Fi antenna holes on the back panel. Remove the semi-broken shields on the marked spots from the panel to install the antenna, as the following details show.



- a) *Back-side View: Put the metal ring into the antenna head at first, and then push this antenna head into antenna hole of the rear panel.*



- b) *Front-side View: Put the other washer<sup>①</sup> into the antenna head, and then lock the antenna head to the front side of the back panel with he with hexagonal bolt<sup>②</sup> and tighten it up.*



6. Press the metal hat on the end of the antenna string to the antenna slot on the card as shown.



7. Connect the external Wi-Fi receiver antenna to the antenna connector on the rear panel.

## V. To Install Hard Disk



1. Locate HDD racks on the board.



2. Remove the screws in the marked positions with a screwdriver to remove the HDD racks from the board.



3. Lock the SATA hard disk to one of the racks by tightening the screws in the marked spots.



4. Lock the SATA hard disk to the other rack by tightening the screws in the marked spots.



5. Push the already installed compliant HDD to corresponding HDD connector onboard and adjust the racks to its original location before installation.
6. Lock the racks with HDD installed to the board by tightening up the screws in the marked positions.

## **VI. To Install Daughter Board**

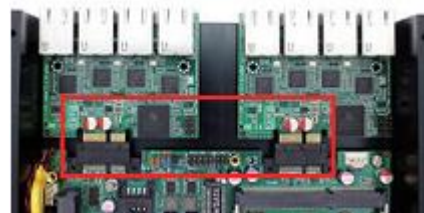
*Remove the semi-broken shields (Reserved for daughter board expansion installation) before installation.*



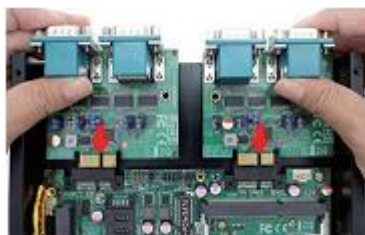
1. Remove the semi-broken shields for expansion card installation at first. Then remove the marked screws on the front IO panel to dismantle the panel from the chassis.

### **Notice:**

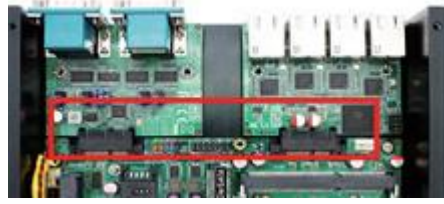
The model comes with 1\*LAN & 1\* COM expansion in this QIG servers as illustration purpose only. Depending on customized specification, your model may come with different expansion solutions (2\*LAN or 2\* COM daughter board expansion). Please refer to the actual product your purchase for sure.



2. **Install 2\* LAN daughter board:** Insert 2\* compatible LAN daughter board into sideway PCIE slots on the board. Lock the IO panel back to the chassis after installation.



3. **Install 2\* COM daughter board:** Insert 2\* compatible COM daughter board into sideway PCIE slots on the board. Lock the IO panel back to the chassis after installation.



4. **Install COM & LAN daughter board:** Insert compatible COM/ LAN daughter board into sideways PCIE slots on the board. Lock the IO panel back to the chassis after installation.

**Notice:**  
After the above installation steps completed, please put the cover to the original place and tighten up the screws previously removed(refer to part I).

### **VII. To Wall Mount the System**



1. Install wall mount rack to the system by tightening two screws in the marked positions.



2. Then lock the other two screws on the other side in the same way.



3. Wall mount the system by tightening two screws in the marked positions.



4. Then tighten up the other two screws in the marked positions on the other rack.