Dell
Reference - OptiPlex 3040 / 3046 / 5040 / 7040

Previous - Next

OptiPlex 3040/ 3046/ 7040 Micro

The OptiPlex 3040 / 7040 Micro system board have the following jumpers on their system board:

- RTCRST Jumper
- Password Jumper
- Service Mode Jumper

RTCRST Reset Jumper

The NVRAM / CMOS contains date, time, and BIOS settings. The RTCRST jumper will clear the system board NVRAM / CMOS information when the jumper pins are closed. Here's how you can clear the NVRAM / CMOS to factory default settings:

> **NOTE:** If you're experiencing system hangs at Dell starts up screen, no post or no video situation, then you should try to clear the NVRAM / CMOS information through RTCRST jumper reset.

> ⚠ **WARNING:**
> Resetting CMOS on this platform will also clear the Management Engine BIOS Extension (MEBx) settings including the MEBx password and all configured settings.
>
> **Please ensure the customer has been informed of the risk and obtain full agreement of doing so before proceed.**

1. Turn the system off and disconnect all cables and connected devices from the system.
2. Remove the system cover.
3. Locate the 2-pin password (PSWD) jumper on the system board.
4. Remove the 2-pin jumper plug.
5. Locate the 2-pin RTCRST jumper on the system board.
6. Insert the removed password jumper plug to the RTCRST jumper pins.
7. Plug in the AC power and press on the power button (system does not power on) to clear the CMOS information then turn the system off completely.
8. Disconnect the AC power and wait for about 30 seconds.
9. Remove the jumper plug on the RTCRST jumper pins and insert it back to the password (PSWD) jumper pins on the sysetm board.
10. Replace the system cover.
11. Connect back all the cables and devices then turn on the system.

Password Jumper

The password jumper protects the system password information if it's configured. The system password will be cleared and disabled when the system is started with this jumper removed.

You can assist the customer to reset the system password by the following steps:

1. Disconnect all cables and connected devices from the system

2. Remove the system cover.
3. Locate the 2-pin password (PSWD) jumper on the system board.
4. Remove the 2-pin jumper plug and set the jumper plug aside.
5. Replace the system cover.
6. Connect your keyboard and mouse, then connect your computer and monitor to electrical outlets and turn them on.
7. By now, the system password should be disabled and reset. After the operating system loads, turn the computer off.

> **NOTE:** Ensure that the computer is off and not in a power management mode. If you cannot shut down the computer using the operating system, press and hold the power button for 4 seconds.

8. Disconnect the keyboard and mouse, then disconnect the computer and monitor from their electrical outlets.
9. Press and hold on the power button on the computer for 5 seconds to drain the standby power.
10. Remove the system cover.
11. Replace the 2-pin jumper plug onto the password jumper pins on the system board.

> **NOTE:** The password jumper plug must be reinstalled on the password jumper pins in order to enable the password feature.

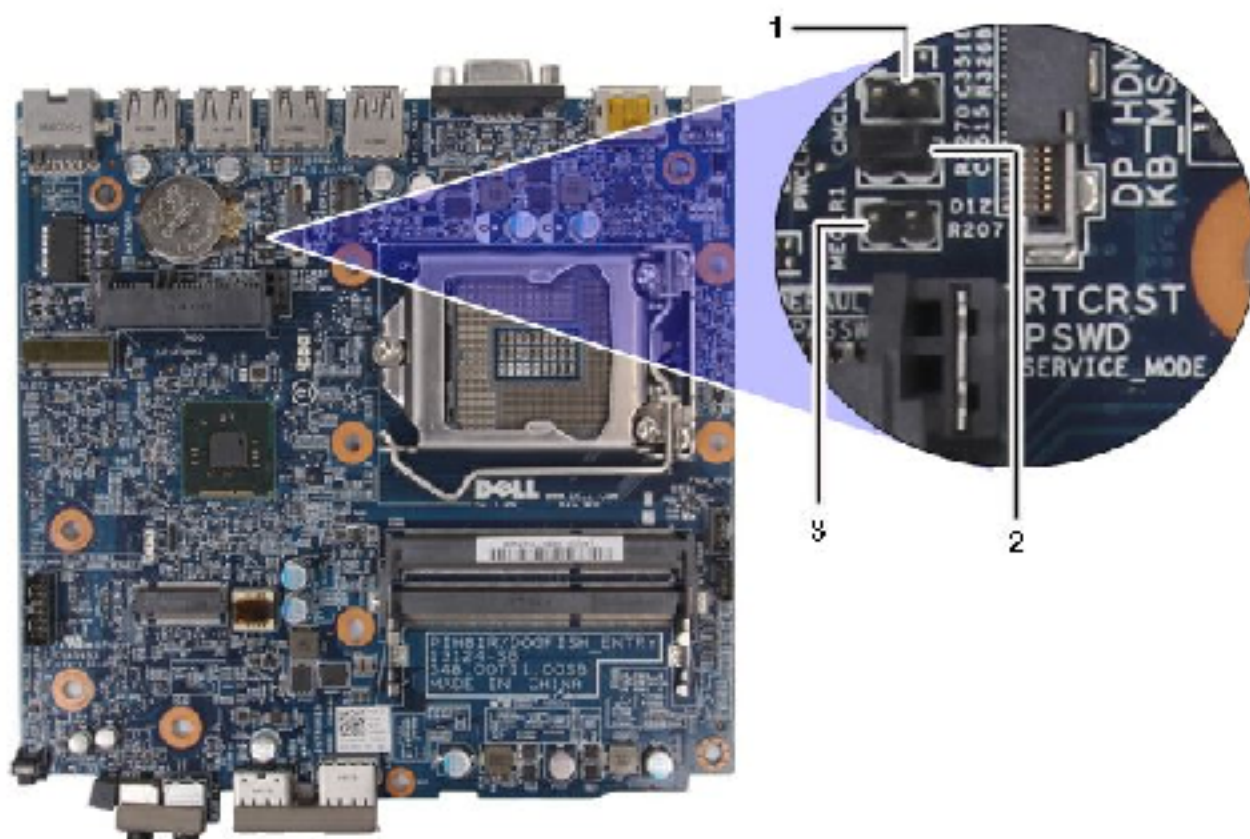12. Connect back all the cables and devices then turn on the system.

Service Mode Jumper

The Service Mode jumper is only used in the factory during the system build up process and it should not be used at any other time.

Jumpers Location

No	Description
1	RTCRST Jumper
2	Password Jumper
3	Service Mode Jumper

Micro Chassis Jumpers Location

> 🚫 **WARNING:** Resetting CMOS on this platform will clear the Management Engine BIOS Extension (MEBx) settings including the MEBx password and all configured settings.

> 🚫 **WARNING:** The manufacturing mode (Service_Mode) jumper is used in the factory during the build process and should not be utilized at any other time.

⬅ Previous   Next ➡

🗙 Top