

# Dell Optiplex 5070 Small Form Factor XCTO Bios Setup Instructions

Press **F2** on boot up to enter BIOS screen.

The Screen is organised with a “tree” structure of topic settings on the left side of the screen with the various changeable options on the right hand side.

Use the mouse to navigate through the tree and tick or untick the boxes to changes settings.

The following settings should be selected. Click **Apply** to save the changes.

**It may be necessary to set the following settings then rebooting the PC to continue configuring the bios.**

## Secure Boot

Secure Boot Enable  Disabled

## General

Advanced Boot Options  Enable Legacy Option ROMs

Boot Sequence  Legacy External Drives

## Reboot PC and re-enter BIOS

## General

Boot Sequence

- Diskette Drive
- USB Storage Device
- Onboard NIC

Onboard NIC

- Legacy External Drives
- Enable Legacy Option ROMs
- Always, Except Internal HDD&PXE

Advanced Boot Options  
UEFI Boot Path Security

Date/Time

nn/nn/nn    nn:nn:nn nn  
MM DD YY    HH MM SS A/P

Date and Time must be correct

## System Configuration

Integrated NIC  Enabled w/PXE

Serial Port  COM1

SATA Operation  RAID On

Drives  SATA-0     SATA-2  
 SATA-3     SATA-4  
 M.2 PCIe SSD-0

SMART Reporting  Enable SMART Reporting

USB Configuration  Enable USB Boot Support  
 Enable Front USB Ports  
 Enable Rear USB Ports

- Front USB Configuration  Enable all Ports
- Rear USB Configuration  Enable all Ports
- Security level – User Authorization
- USB PowerShare  Enable USB PowerShare
- Audio  Enable Audio
- Enable Microphone
- Enable Internal Speaker
- Dust Filter Maintenance  Disabled
- Miscellaneous Devices  Enable Secure Digital (SD) Card

**Video**

- Multi-Display  Enable Multi-Display
- Primary Display  Auto

**Security**

- Admin Password **[Set with your password]**
- System Password **[Not Set]**
- Strong Password  Enable Strong Password
- Password Configuration **Don't Change**
- Password Bypass  Disabled
- Password Change  Allow Non-Admin Password Changes
- UEFI Capsule Firmware Updates  Enable UEFI Capsule Firmware Updates
- TPM 2.0 Security  TPM On
- Absolute®  Disabled
- Admin Setup Lockout  Enable Admin Setup Lockout
- Master Password Lockout  Enable Master Password Lockout
- SMM Security Mitigation  SMM Security Mitigation

**Secure Boot**

- Secure Boot Enable  Secure Boot Enable
- Secure Boot Mode  Deployed Mode
- Expert Key Management  Enable Custom Mode
- PK

**Intel® Software Guard Extensions™**

- Intel® SGX™ Enable  Disabled
- Enclave Memory Size  128MB

**Performance**

- Multiple Core Support All
- Intel® SpeedStep™  Enable Intel® SpeedStep™
- C-States Control  C states
- Intel® TurboBoost™  Enable Intel® TurboBoost™

## Power Management

|                                    |                                     |                                     |
|------------------------------------|-------------------------------------|-------------------------------------|
| AC Recovery                        | <input type="radio"/>               | Power Off                           |
| Enable Intel Speedshift Technology | <input checked="" type="checkbox"/> | Enable Intel Speed shift Technology |
| Auto On Time                       | <input type="radio"/>               | Disabled                            |
| Deep Sleep Control                 | <input type="radio"/>               | Disabled                            |
| Fan Control Override               | <input type="checkbox"/>            | Fan Control Override                |
| USB Wake Support                   | <input type="checkbox"/>            | Enable USB Wake Support             |
| Wake on LAN/WLAN                   | <input type="radio"/>               | LAN Only                            |
| Block Sleep                        | <input type="checkbox"/>            | Block Sleep                         |

## POST Behaviour

|                       |                                     |                                 |
|-----------------------|-------------------------------------|---------------------------------|
| Numlock LED           | <input checked="" type="checkbox"/> | Enable Numlock LED              |
| Keyboard Errors       | <input checked="" type="checkbox"/> | Enable Keyboard Error Detection |
| Fastboot              | <input type="radio"/>               | Thorough                        |
| Extend BIOS POST Time | <input type="radio"/>               | 0 Seconds                       |
| Full Screen Logo      | <input type="checkbox"/>            | Enable Full Screen Logo         |
| Warnings and Errors   | <input type="radio"/>               | Prompt on Warnings and Errors   |

## Manageability

|                      |                          |                      |
|----------------------|--------------------------|----------------------|
| Intel AMT Capability | <input type="radio"/>    | Enabled              |
| USB Provision        | <input type="checkbox"/> | Enable USB Provision |
| MEBx Hotkey          | <input type="checkbox"/> | Enable MEBx Hotkey   |

## Virtualization Support

|                   |                                     |  |
|-------------------|-------------------------------------|--|
| Virtualization    | <input checked="" type="checkbox"/> | Enable Intel Virtualization Technology |
| VT for Direct I/O | <input type="checkbox"/>            | Enable VT for Direct I/O               |
| Trusted Execution | <input type="checkbox"/>            | Trusted Execution                      |

## Wireless

|                        |                          |            |
|------------------------|--------------------------|------------|
| Wireless Device Enable | <input type="checkbox"/> | WLAN/WiGig |
|                        | <input type="checkbox"/> | Bluetooth® |

## Maintenance

Not Applicable

## System Logs

Not Applicable

## Advanced Configurations

|      |                       |          |
|------|-----------------------|----------|
| ASPM | <input type="radio"/> | Disabled |
|------|-----------------------|----------|

## SupportAssist System Resolution

|                            |                          |                           |
|----------------------------|--------------------------|---------------------------|
| Auto OS Recovery Threshold | <input type="radio"/>    | OFF                       |
| SupportAssist OS Recovery  | <input type="checkbox"/> | SupportAssist OS Recovery |
| BIOSConnect                | <input type="checkbox"/> | BIOSConnect               |