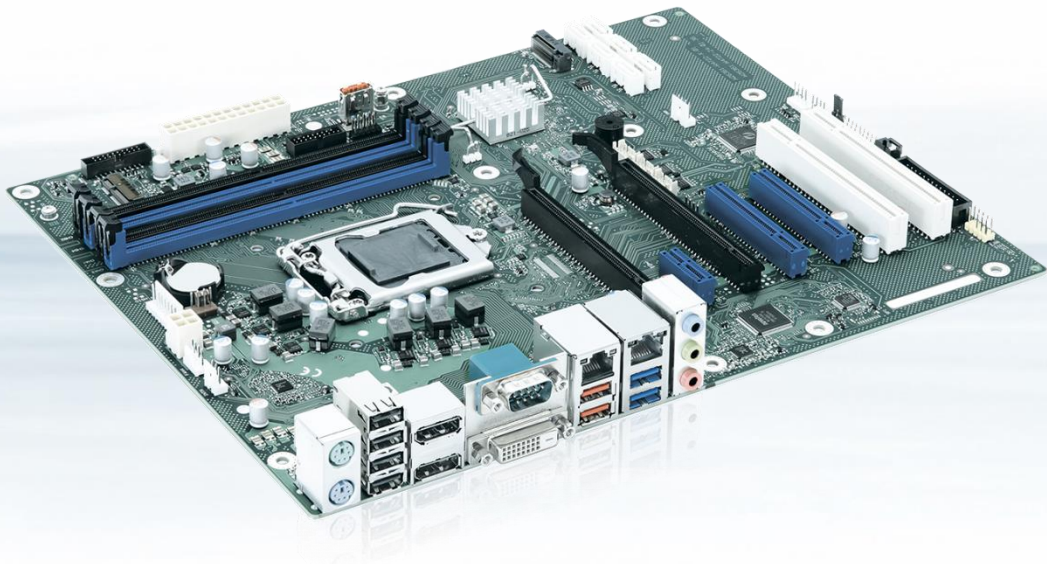


# Kontron Motherboards

## HowTo: Setup Intel(R) Chipset RAID

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*Version 1.0*



## Content

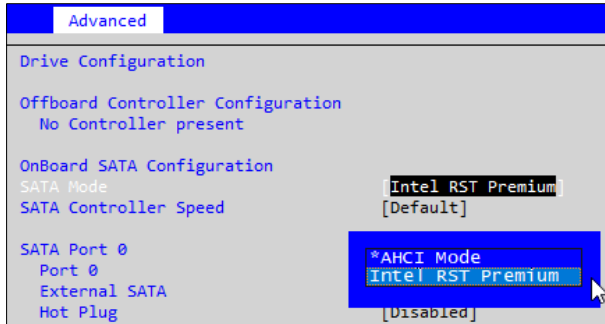
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## Revision History

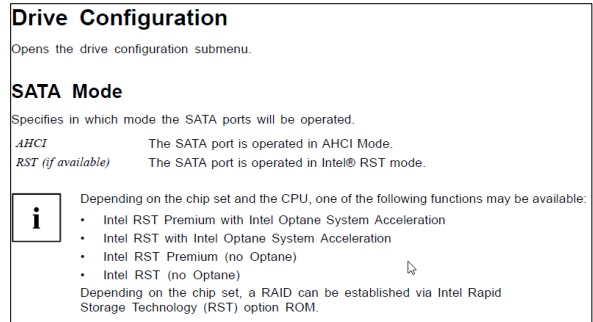
Date	Version	Notes
2020-06-22	1.0	First released version

## 1 PreConfiguration of the motherboard BIOS

- Make sure you have connected all storage drives to the system SATA interface
- Start the system and boot into BIOS menu by pressing “F2” key.
- Activate RAID feature in [BIOS > Advanced > “Drive Configuration”]

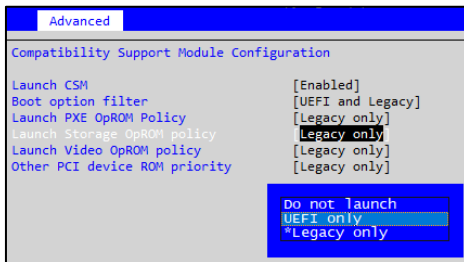


Pic 1 – Screenshot from generic BIOS screen



Pic 2 – Screenshot form BIOS manual on Kontron FTP server

- For UEFI RAID installation on motherboards with legacy OS support [[Compatibility Support Module](#) > “Launch CSM” = Enabled] check if “Launch Storage OpROM Policy” is set to “UEFI only” or if “Launch CSM” is “Disabled”



Pic 3 – Screenshot from generic BIOS screen [BIOS > Advanced > CSM Configuration]

- Execute “Save + Exit” (F4) and reboot the system

## 2 Setup RAID using the UEFI driver config menu

- Follow the steps from [“1 - PreConfiguration of the motherboard BIOS”](#)
- Boot the system and enter BIOS menu by pressing “F2” key.
- Navigate to tab “Advanced”.
- Select and enter the new setup entry at the bottom of this page: “[Intel\(R\) Rapid Storage Technology](#)”
- Start configuring your RAID by following the necessary steps in this Intel(R) configuration menu.
- After you have finished the configuration execute “[Save + Exit \(F4\)](#)” and reboot the system

## 3 Setup RAID using the legacy RAID OpROM menu (old motherboards)

- Follow the steps from [“1 - PreConfiguration of the motherboard BIOS”](#)
- Boot the system and press “CTRL + I” during boot to enter the OpROM RAID configuration menu.
  - If the shortcut will not work, change BIOS setting [Boot > Quiet Boot] to “[Disabled](#)” and reboot the system with “[Safe + Exit \(F4\)](#)”. Repeat “CTRL+I” on reboot.
- Start configuring your RAID by following the necessary steps in this Intel(R) configuration menu.
- After you have finished the configuration, leave the menu and restart the system.

## 4 Setup RAID using the Intel (R) Rapid Storage User Interface

- Follow the steps from [“1 - PreConfiguration of the motherboard BIOS”](#)
- Boot to Windows and download the Intel Rapid Storage User Interface and Driver from Intel (<https://downloadcenter.intel.com/download/29339/Intel-Rapid-Storage-Technology-Intel-RST-User-Interface-and-Driver>) or from Kontron FTP (<ftp://ftp.kontron.com/Products/Motherboards> > Choose your motherboard and navigate to the correct driver location)
- Install the Utility “SetupRST.exe” and start the installed application. You can now begin to configure the RAID using the Intel Windows utility.