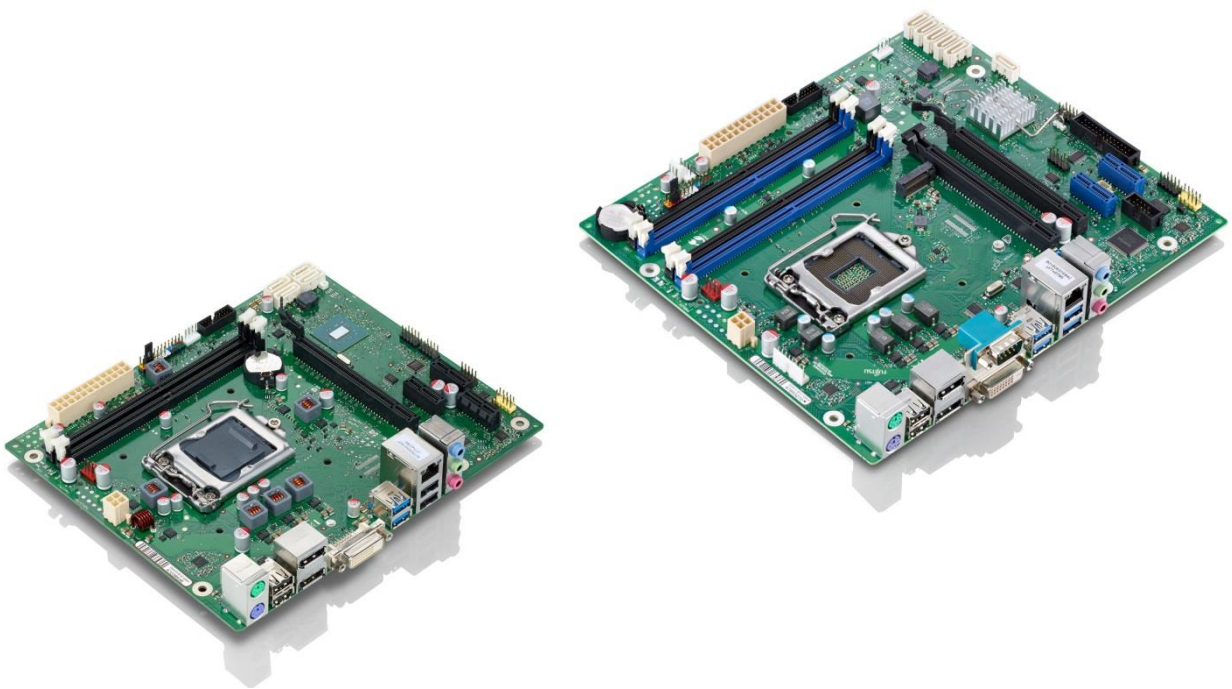


# Fujitsu *Kabylake* Desktop Mainboards

D3400-U

## BIOS Release Document



# BIOS *Kabylake* Desktop D3400-U **FUJITSU**

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## Revision History:

Date	BIOS Version	Notes
04.05.2017	R1.7.0	Added new BIOS version (R1.7.0) and additional information
17.01.2017	R1.1.0	Initial mass production release

## 1 General Notes

This BIOS is based on the AMI Aptio V5.0.0.12 R1.x.x

### 1.1 Released OS Versions

- MS Windows 7 (32/64bit)<sup>1)</sup>
  - MS Windows 8.1 (64bit)<sup>1)</sup>
  - MS Windows 10 (64bit)
- 1) *Requires Skylake (= 6<sup>th</sup> gen.) processor!*

### 1.2 BIOS Update Options

#### DOS Flash Update

Use ZIP-files for DOS-based BIOS Update

→ Copy related files (folder "DOS") to a DOS-bootable device and run <DosFlash.BAT>

Please see the EFIFlash documentation for more information:

[ftp://ftp.ts.fujitsu.com/pub/Mainboard-OEM-Sales/Services/Software&Tools/Common-Mainboard-Tools/EFI-Flash\\_Tool/](ftp://ftp.ts.fujitsu.com/pub/Mainboard-OEM-Sales/Services/Software&Tools/Common-Mainboard-Tools/EFI-Flash_Tool/)

#### Windows Flash Update

Use *Dxxx-xyz.DFI.\$xe* for Windows-based BIOS update

→ Rename file to \*.exe after download and run exe-file from MS Windows

#### Auto BIOS Update

With Auto BIOS Update it is possible to check a Fujitsu server automatically to see if there is a new BIOS version for the system. For the update, no operating system or external storage medium is required. This feature must be enabled in BIOS Setup first.

For details on the Auto BIOS Update function please see the BIOS manual.

#### BIOS Recovery

Please see the EFIFlash documentation for more information:

[ftp://ftp.ts.fujitsu.com/pub/Mainboard-OEM-Sales/Services/Software&Tools/Common-Mainboard-Tools/EFI-Flash\\_Tool/](ftp://ftp.ts.fujitsu.com/pub/Mainboard-OEM-Sales/Services/Software&Tools/Common-Mainboard-Tools/EFI-Flash_Tool/)

#### Additional information **[new]**

If you have any problems after BIOS flash please try if "Load Optimized Default Values" (F3) in BIOS setup solves the problem.

# BIOS *KabyLake* Desktop D3400-U

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## 1.3 Modify BIOS Setup Settings and Defaults (Tools EditCMOS / BIOSSET)

The file *D34\*\*-\*\*\*.R1.x.0.SetupItemId.txt* provides the list of BIOS Setup items that this BIOS version allows to be modified by the DOS tool EditCMOS (Modify BIOS Setup Settings and Defaults).

See EditCMOS tool for further details:

[ftp://ftp.ts.fujitsu.com/pub/Mainboard-OEM-Sales/Services/Software&Tools/Common-Mainboard-Tools/EditCMOS\\_UEFI/](ftp://ftp.ts.fujitsu.com/pub/Mainboard-OEM-Sales/Services/Software&Tools/Common-Mainboard-Tools/EditCMOS_UEFI/)

For Windows the Tool BIOSSET can be used instead, it is part of this package:

<ftp://ftp.ts.fujitsu.com/pub/Mainboard-OEM-Sales/Services/Software&Tools/Common-Mainboard-Tools/Deskflash/>

## 1.4 How to create a DOS bootable USB stick?

You can use the Fujitsu tool *FTS\_Basic-BootStick.EXE* to easily create a Free-DOS bootable Stick:

<ftp://ftp.ts.fujitsu.com/pub/Mainboard-OEM-Sales/Services/Software&Tools/Common-Mainboard-Tools/USB-FreeDOS-Bootstick/>

Rename file from \*.*\$*xe to \*.exe and run tool in Windows.

## 1.5 FTP BIOS Folder D34xx-A/B/U

The released BIOS versions are available here:

**D3400 / D3410:**

[ftp://ftp.ts.fujitsu.com/pub/Mainboard-OEM-Sales/Products/Mainboards/ClassicDesktop/D3400\\_D3410/BIOS\\_D3400\\_D3410/](ftp://ftp.ts.fujitsu.com/pub/Mainboard-OEM-Sales/Products/Mainboards/ClassicDesktop/D3400_D3410/BIOS_D3400_D3410/)

**D3401 / D3402 / D3417:**

[ftp://ftp.ts.fujitsu.com/pub/Mainboard-OEM-Sales/Products/Mainboards/ClassicDesktop/D3401\\_D3402-A\\_D3417-A/BIOS/](ftp://ftp.ts.fujitsu.com/pub/Mainboard-OEM-Sales/Products/Mainboards/ClassicDesktop/D3401_D3402-A_D3417-A/BIOS/)

**Alternative link for D3402-B and D3417-B (eXtended Lifecycle Mainboards):**

[ftp://ftp.ts.fujitsu.com/pub/Mainboard-OEM-Sales/Products/Mainboards/Industrial&ExtendedLifetime/D3402-B\\_D3417-B/BIOS/](ftp://ftp.ts.fujitsu.com/pub/Mainboard-OEM-Sales/Products/Mainboards/Industrial&ExtendedLifetime/D3402-B_D3417-B/BIOS/)

## 1.6 Note: Customer Service Release BIOS

Besides the released BIOS versions there may be additional BIOS versions (Customer Service Release BIOS = CSR BIOS) that solve specific customer problems.

Please note: These versions are available via OEM FTP only and they are not pre-installed ex factory.

## 2 BIOS R1.1.0

First released mass production BIOS

### Known Issues and Limitations:

- Some characters at BIOS Setup not working correct with BIOS Setup setting different to "Keyboard Layout: English" (at "Main" submenu).

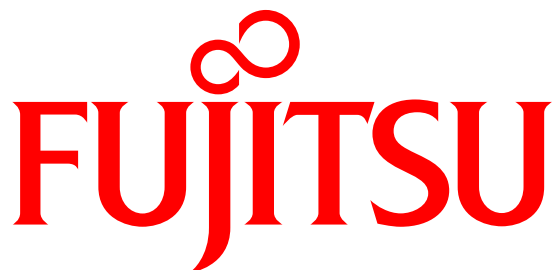
## 3 BIOS R1.7.0 [new]

### BIOS Changes vs. R1.1.0:

- Updated to Management Engine Firmware version 11.6.25.1229.
- Updated Intel CPU Microcode Patch 0xB2 for SKL R-0/S-0 Processor, 0x34 for KBL A-0 and 0x48 for KBL B-0.
- Updated Intel Reference Code to support Celeron (2+2)
- Updated to System Management Controller (Teutates) Firmware 48.
- Updated Intel VideoBIOS to 9.0.1050 and UEFI GOP driver to 9.0.1063.
- Updated RAID/RST OpROM
- Feature: DVMT Shared Memory default value changed to 64MB
- Fixed: BiosSet.exe /wakeonrtc did not return status "ON".
- Fixed: Only 2.1 GB usable memory been available when using Win7 x86.
  - Note: To activate this fix, you need to load BIOS default settings after BIOS flash!
- Fixed: IPv6 UEFI PXE Boot Option not available with external PCIe Broadcom LAN Controller
- Fixed: UEFI PXE boot Boot Option not visible if CSM and Secure Boot is set to enabled.
- Fixed: Watchdog timeout message appears after TPM PPI dialog in POST if there is no action by user.
- Fixed: EraseDisk erasing process was interrupted by a system reset after 5 minutes.
- Fixed: BIOS Setup item "Turbo Mode" was visible although not supported by used processor types.
- Fixed: Properly initialize Acoustic Management Configuration in BIOS Setup.
- Fixed: Confirmation of intrusion event was not possible with Password on every/first boot.
- Fixed: Easy PC Protect was not working properly.
- Fixed: USB keyboard errors occurred while entering the BitLocker Recovery Key.

### BIOS 1.7.0 Known Issues and Limitations:

- Black screen or CATERR after RTC resume from ACPI S4. Issue only seen with Intel graphics driver v21.20.16.4551 or newer. Issue will be fixed with graphics driver update. Meanwhile graphics driver v21.20.16.4550 should be used.
- Some characters at BIOS Setup are not working correct with BIOS Setup setting different to "Keyboard Layout: English"



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