

# **Release Notes for AT32 MCU**

## **Keil5 Package V2**

### **V2.4.6-2025/08/11**

1. ArteryTek.AT32F011\_DFP.2.0.0  
Added AT32F011 as a new product series support

### **V2.4.5-2025/08/04**

1. ArteryTek.AT32F415\_DFP.2.1.7  
Updated AT32F415 series firmware library and svd file

### **V2.4.4-2025/06/24**

1. ArteryTek.AT32F422\_426\_DFP.2.0.0  
Added AT32F422 and AT32F426 series as new product series
2. ArteryTek.AT32F402\_405\_DFP.2.1.2  
Updated AT32F402\_405 series firmware library

### **V2.4.3-2025/04/25**

1. ArteryTek.AT32A403A\_DFP.2.0.8  
Updated AT32A403A series firmware library
2. ArteryTek.AT32F403A\_407\_DFP.2.2.2  
Updated AT32F403A\_407 series firmware library
3. ArteryTek.AT32F413\_DFP.2.1.7  
Updated AT32F413 series firmware library

### **V2.4.2-2025/01/20**

1. ArteryTek.AT32A423\_DFP.2.0.3  
Updated AT32A423 series firmware library
2. ArteryTek.AT32F402\_405\_DFP.2.1.2  
Updated AT32F402\_405 series firmware library
3. ArteryTek.AT32F423\_DFP.2.1.1  
Updated AT32F423 series firmware library
4. ArteryTek.AT32F435\_437\_DFP.2.2.3  
Updated AT32F435\_437 series firmware library
5. ArteryTek.AT32F490\_DFP.2.0.4  
Updated AT32F490 series firmware library
6. ArteryTek.AT32L021\_DFP.2.0.6  
Updated AT32L021 series firmware library
7. ArteryTek.AT32F45x\_DFP.2.0.0  
Updated AT32F455, AT32F456 and AT32F457 series firmware library

### **V2.4.1-2024/12/16**

1. ArteryTek.AT32A403A\_DFP.2.0.7  
Updated AT32A403A series firmware library and svd file.

2. ArteryTek.AT32A423\_DFP.2.0.2  
Updated AT32A423 series firmware library and svd file.
3. ArteryTek.AT32F402\_405\_DFP.2.1.0  
Updated AT32F402\_405 series firmware library and svd file.
4. ArteryTek.AT32F403\_DFP.2.1.3  
Updated AT32F403 series firmware library and svd file.
5. ArteryTek.AT32F403A\_407\_DFP.2.2.1  
Updated AT32F403A\_407 series firmware library and svd file.
6. ArteryTek.AT32F402\_405\_DFP.2.1.0  
Updated AT32F402\_405 series firmware library and svd file.
7. ArteryTek.AT32F413\_DFP.2.1.6  
Updated AT32F413 series firmware library and svd file.
8. ArteryTek.AT32F415\_DFP.2.1.6  
Updated AT32F415 series firmware library and svd file.
9. ArteryTek.AT32F421\_DFP.2.1.8  
Updated AT32F421 series firmware library and svd file.
10. ArteryTek.AT32F423\_DFP.2.1.0  
Updated AT32F423 series firmware library and svd file.
11. ArteryTek.AT32F425\_DFP.2.1.4  
Updated AT32F425 series firmware library and svd file.
12. ArteryTek.AT32F435\_437\_DFP.2.2.2  
Updated AT32F435\_437 series firmware library and svd file.
13. ArteryTek.AT32M412\_416\_DFP.2.0.2  
Updated AT32M412\_416 series firmware library and svd file.
14. ArteryTek.AT32WB415\_DFP.2.1.2  
Updated AT32WB415 series firmware library and svd file.

## **V2.4.0-2024/12/06**

1. ArteryTek.AT32F490\_DFP.2.0.3  
Updated AT32F490 series firmware library.

## **V2.3.9-2024/10/18**

1. ArteryTek.AT32M412\_416\_DFP.2.0.1  
Updated AT32M412\_416 series firmware library.

## **V2.3.8-2024/08/09**

1. ArteryTek.AT32M412\_416\_DFP.2.0.0  
Added AT32M412\_416 series pack.
2. ArteryTek.AT32A403A\_DFP.2.0.6  
Updated AT32A403A series firmware library.
3. ArteryTek.AT32A423\_DFP.2.0.1  
Updated AT32A423 series firmware library.
4. ArteryTek.AT32F402\_405\_DFP.2.0.9  
Updated AT32F402\_405 series firmware library.
5. ArteryTek.AT32F403\_DFP.2.1.2  
Updated AT32F403 series firmware library.
6. ArteryTek.AT32F403A\_407\_DFP.2.2.0  
Updated AT32F403A\_407 series firmware library.
7. ArteryTek.AT32F413\_DFP.2.1.5  
Updated AT32F413 series firmware library.
8. ArteryTek.AT32F415\_DFP.2.1.5  
Updated AT32F415 series firmware library.
9. ArteryTek.AT32F421\_DFP.2.1.7  
Updated AT32F421 series firmware library.
10. ArteryTek.AT32F423\_DFP.2.0.9  
Updated AT32F423 series firmware library.
11. ArteryTek.AT32F425\_DFP.2.1.3  
Updated AT32F425 series firmware library.
12. ArteryTek.AT32F435\_437\_DFP.2.2.1  
Updated AT32F435\_437 series firmware library.
13. ArteryTek.AT32WB415\_DFP.2.1.1  
Updated AT32WB415 series firmware library.

## **V2.3.7-2024/08/06**

1. ArteryTek.AT32F490\_DFP.2.0.2  
Updated AT32F490 series firmware library and svd file.

## **V2.3.6-2024/05/20**

1. ArteryTek.AT32F490\_DFP.2.0.1  
Updated AT32F490 series firmware library.

## **V2.3.5-2024/05/10**

1. ArteryTek.AT32F402\_405\_DFP.2.0.8  
Updated AT32F402\_405 series firmware library.
2. ArteryTek.AT32L021\_DFP.2.0.4  
Updated AT32L021 series firmware library.

## **V2.3.4-2024/04/30**

1. ArteryTek.AT32F490\_DFP.2.0.0  
Added AT32F490 series pack.
2. ArteryTek.AT32F402\_405\_DFP.2.0.7  
Updated AT32F402\_405 series firmware library.
3. ArteryTek.AT32F435\_437\_DFP.2.2.0  
Updated AT32F435\_437 series firmware library.

## **V2.3.3-2024/04/15**

1. ArteryTek.AT32A423\_DFP.2.0.0  
Added AT32A423 series pack.

## **V2.3.2-2024/04/03**

1. ArteryTek.AT32A403A\_DFP.2.0.5  
Added SFR files.
2. ArteryTek.AT32F402\_405\_DFP.2.0.6  
Added SFR files.
3. ArteryTek.AT32F403\_DFP.2.1.1  
Added SFR files.
4. ArteryTek.AT32F403A\_407\_DFP.2.1.9  
Added SFR files.
5. ArteryTek.AT32F413\_DFP.2.1.4  
Added SFR files.
6. ArteryTek.AT32F415\_DFP.2.1.4  
Added SFR files.
7. ArteryTek.AT32F421\_DFP.2.1.6  
Added SFR files.
8. ArteryTek.AT32F423\_DFP.2.0.8  
Added SFR files.
9. ArteryTek.AT32F425\_DFP.2.1.2  
Added SFR files.
10. ArteryTek.AT32F435\_437\_DFP.2.1.9  
Added SFR files.
11. ArteryTek.AT32L021\_DFP.2.0.3  
Added SFR files.
12. ArteryTek.AT32WB415\_DFP.2.1.0  
Added SFR files.

## **V2.3.1-2024/03/04**

1. ArteryTek.AT32F402\_405\_DFP.2.0.5  
Updated AT32F402\_405 firmware library
2. ArteryTek.AT32F435\_437\_DFP.2.1.8  
Updated AT32F435\_437 firmware library
3. ArteryTek.AT32L021\_DFP.2.0.2  
Updated AT32L021 firmware library

## **V2.3.0-2024/01/26**

1. ArteryTek.AT32A403A\_DFP.2.0.4  
Updated AT32A403A firmware library
2. ArteryTek.AT32F402\_405\_DFP.2.0.4  
Updated AT32F402\_405 firmware library
3. ArteryTek.AT32F403\_DFP.2.1.0  
Updated AT32F403 firmware library
4. ArteryTek.AT32F403A\_407\_DFP.2.1.8  
Updated AT32F403A\_407 firmware library
5. ArteryTek.AT32F413\_DFP.2.1.3  
Updated AT32F413 firmware library
6. ArteryTek.AT32F415\_DFP.2.1.3  
Updated AT32F415 firmware library
7. ArteryTek.AT32F421\_DFP.2.1.5  
Updated AT32F421 firmware library
8. ArteryTek.AT32F423\_DFP.2.0.7  
Updated AT32F423 firmware library
9. ArteryTek.AT32F425\_DFP.2.1.1  
Updated AT32F425 firmware library
10. ArteryTek.AT32F435\_437\_DFP.2.1.7  
Updated AT32F435\_437 firmware library
11. ArteryTek.AT32WB415\_DFP.2.0.9  
Updated AT32WB415 firmware library

## **V2.2.9-2024/01/19**

1. ArteryTek.AT32L021\_DFP.2.0.1  
Updated AT32L021 device name and firmware library

## **V2.2.8-2024/01/05**

1. ArteryTek.AT32A403A\_DFP.2.0.2  
Updated AT32A403A series firmware library
2. ArteryTek.AT32F402\_405\_DFP.2.0.3  
Updated AT32F402\_405 series firmware library
3. ArteryTek.AT32F403\_DFP.2.0.9  
Updated AT32F403 series firmware library
4. ArteryTek.AT32F403A\_407\_DFP.2.1.7  
Updated AT32F403A\_407 series firmware library
5. ArteryTek.AT32F413\_DFP.2.1.2  
Updated AT32F413 series firmware library
6. ArteryTek.AT32F415\_DFP.2.1.2  
Updated AT32F415 series firmware library
7. ArteryTek.AT32F421\_DFP.2.1.4  
Updated AT32F421 series firmware library
8. ArteryTek.AT32F423\_DFP.2.0.6  
Updated AT32F423 series firmware library
9. ArteryTek.AT32F425\_DFP.2.1.1  
Updated AT32F425 series firmware library
10. ArteryTek.AT32F435\_437\_DFP.2.1.6  
Updated AT32F435\_437 series firmware library
11. ArteryTek.AT32WB415\_DFP.2.0.8  
Updated AT32WB415 series firmware library

## **V2.2.7-2023/10/26**

1. ArteryTek. AT32A403A\_DFP.2.0.1  
Updated AT32F421 series firmware library
2. ArteryTek. AT32F402\_405\_DFP.2.0.2  
Updated AT32F402\_405 series firmware library and algorithm files
3. ArteryTek. AT32F403\_DFP.2.0.8  
Updated AT32F403 series firmware library
4. ArteryTek. AT32F403A\_407\_DFP.2.1.6  
Updated AT32F403A\_407 series firmware library
5. ArteryTek. AT32F413\_DFP.2.1.1  
Updated AT32F413 series firmware library
6. ArteryTek. AT32F415\_DFP.2.1.1  
Updated AT32F415 series firmware library
7. ArteryTek. AT32F421\_DFP.2.1.3  
Updated AT32F421 series firmware library
8. ArteryTek. AT32F423\_DFP.2.0.5  
Updated AT32F423 series firmware library and algorithm files
9. ArteryTek. AT32F425\_DFP.2.1.0  
Updated AT32F425 series firmware library
10. ArteryTek. AT32F435\_437\_DFP.2.1.5  
Updated AT32F435\_437 series firmware library

- 11.ArteryTek. AT32WB415\_DFP.2.0.7  
Updated AT32 WB415 series firmware library

## **V2.2.6-2023/09/28**

1. ArteryTek.AT32F402\_405\_DFP.2.0.1  
Updated AT32F421 series firmware library

## **V2.2.5-2023/08/22**

1. ArteryTek.AT32F402\_405\_DFP.2.0.0:  
Updated AT32F402\_405 series firmware library and svd files

## **V2.2.4-2023/08/04**

1. ArteryTek.AT32F421\_DFP.2.1.2:  
Updated AT32F421 series firmware library and svd files
2. ArteryTek.AT32F413\_DFP.2.1.0:  
Updated AT32F413 series firmware library and svd files
3. ArteryTek.AT32F415\_DFP.2.1.0:  
Updated AT32F415 series firmware library and svd files
4. ArteryTek.AT32F423\_DFP.2.0.4:  
Updated AT32F423 series firmware library and svd files
5. ArteryTek.AT32F425\_DFP.2.0.9:  
Updated AT32F425 series firmware library and svd files
6. ArteryTek.AT32F403\_DFP.2.0.7:  
Updated AT32F403 series firmware library and svd files
7. ArteryTek.AT32WB415\_DFP.2.0.6:  
Updated AT32WB415 series firmware library and svd files
8. ArteryTek.AT32F403A\_407\_DFP.2.1.5:  
Updated AT32F403A\_407 series firmware library and svd files
9. ArteryTek.AT32F435\_437\_DFP.2.1.4:  
Updated AT32F435\_437 series firmware library and svd files

## **V2.2.3-2023/07/07**

1. ArteryTek.AT32F425\_DFP.2.0.8  
Updated AT32F425 svd file
2. ArteryTek.AT32A403A\_DFP.2.0.0  
Added AT32A403A series pack

## **V2.2.2-2023/05/24**

1. ArteryTek.AT32F423\_DFP.2.0.2  
Updated the base address of user system data area

## **V2.2.1-2023/04/26**

1. ArteryTek.AT32F423\_DFP.2.0.1  
Updated AT32F423 series firmware library

## **V2.2.0-2023/03/24**

1. ArteryTek. AT32F423\_DFP.2.0.0  
Added AT32F423 series PACK.

## **V2.1.9-2023/02/16**

1. ArteryTek. AT32F421\_DFP.2.1.1  
Updated AT32F421 firmware library
2. ArteryTek. AT32F413\_DFP.2.0.9  
Updated AT32F413 firmware library
3. ArteryTek. AT32F415\_DFP.2.0.9  
Updated AT32F415 firmware library
4. ArteryTek. AT32F425\_DFP.2.0.7  
Updated AT32F425 firmware library and svd file
5. ArteryTek. AT32F403\_DFP.2.0.6  
Updated AT32F403 firmware library
6. ArteryTek. AT32WB415\_DFP.2.0.5  
Updated AT32WB415 firmware library
7. ArteryTek. AT32F403A\_407\_DFP.2.1.4  
Updated AT32F403A\_407 firmware library
8. ArteryTek. AT32F435\_437\_DFP.2.1.3  
Updated AT32F435\_437 firmware library

## **V2.1.8-2022/11/18**

1. ArteryTek. AT32F421\_DFP.2.1.0  
Updated AT32F421 firmware library
2. ArteryTek. AT32F413\_DFP.2.0.8  
Updated AT32F413 firmware library
3. ArteryTek. AT32F415\_DFP.2.0.8  
Updated AT32F415 firmware library
4. ArteryTek. AT32F425\_DFP.2.0.6  
Updated AT32F425 firmware library
5. ArteryTek. AT32F403\_DFP.2.0.5  
Updated AT32F403 firmware library
6. ArteryTek. AT32WB415\_DFP.2.0.4  
Updated AT32WB415 firmware library

## **V2.1.7-2022/10/28**

1. ArteryTek. AT32F421\_DFP.2.0.9  
Added AT32F4212C8T7, updated AT32F421 firmware library

## **V2.1.6-2022/08/23**

1. ArteryTek. AT32F421\_DFP.2.0.8  
Updated AT32F421 firmware library
2. ArteryTek. AT32F413\_DFP.2.0.7  
Updated AT32F413 firmware library
3. ArteryTek. AT32F415\_DFP.2.0.7  
Updated AT32F415 firmware library
4. ArteryTek. AT32F425\_DFP.2.0.5  
Updated AT32F425 firmware library
5. ArteryTek. AT32F403\_DFP.2.0.4  
Updated AT32F403 firmware library
6. ArteryTek. AT32WB415\_DFP.2.0.3  
Updated AT32 WB415 firmware library
7. ArteryTek. AT32F403A\_407\_DFP.2.1.2  
Updated AT32F403A\_407 firmware library
8. ArteryTek. AT32F435\_437\_DFP.2.1.1  
Updated AT32F435\_437 firmware library

## **V2.1.5-2022/07/22**

1. ArteryTek. AT32F403A\_407\_DFP.2.1.1  
Updated AT32F403A\_407 firmware library

## **V2.1.4-2022/06/29**

1. ArteryTek. AT32F421\_DFP.2.0.7  
Updated AT32F421 firmware library
2. ArteryTek. AT32F413\_DFP.2.0.6  
Updated AT32F413 firmware library, flash algorithm file and svd file
3. ArteryTek. AT32F415\_DFP.2.0.6  
Updated AT32F415 firmware library
4. ArteryTek. AT32F425\_DFP.2.0.4  
Updated AT32F425 firmware library
5. ArteryTek. AT32F403\_DFP.2.0.3  
Updated AT32F403 firmware library and flash algorithm file
6. ArteryTek. AT32WB415\_DFP.2.0.2  
Updated AT32WB415 firmware library
7. ArteryTek. AT32F403A\_407\_DFP.2.1.0  
Updated AT32F403A\_407 firmware library and flash algorithm file
8. ArteryTek. AT32F435\_437\_DFP.2.1.0  
Updated AT32F435\_437 firmware library and flash algorithm file

## **V2.1.3-2022/05/20**

1. ArteryTek. AT32F421\_DFP.2.0.6  
Updated AT32F421 firmware library
2. ArteryTek. AT32F413\_DFP.2.0.5  
Updated AT32F413 firmware library

3. ArteryTek. AT32F415\_DFP.2.0.5  
Updated AT32F415 firmware library
4. ArteryTek. AT32F425\_DFP.2.0.3  
Updated AT32F425 firmware library
5. ArteryTek. AT32F403\_DFP.2.0.2  
Updated AT32F403 firmware library and svd file
6. ArteryTek. AT32WB415\_DFP.2.0.1  
Updated AT32WB415 firmware library and svd file

## **V2.1.2-2022/04/26**

1. ArteryTek. AT32F403A\_407\_DFP.2.0.9  
Updated AT32F403A\_407 firmware library
2. ArteryTek. AT32F435\_437\_DFP.2.0.9  
Updated AT32F435\_437 firmware library

## **V2.1.1-2022/04/02**

1. ArteryTek. AT32F403A\_407\_DFP.2.0.8  
Updated AT32F403A\_407 firmware library
2. ArteryTek. AT32F435\_437\_DFP.2.0.8  
Updated AT32F435\_437 firmware library
3. ArteryTek. AT32F421\_DFP.2.0.5  
Updated AT32F421 firmware library
4. ArteryTek. AT32F413\_DFP.2.0.4  
Updated AT32F413 firmware library
5. ArteryTek. AT32F415\_DFP.2.0.4  
Updated AT32F415 firmware library
6. ArteryTek. AT32F425\_DFP.2.0.2  
Updated AT32F425 firmware library
7. ArteryTek. AT32F403\_DFP.2.0.1  
Updated AT32F403 firmware library
8. ArteryTek. AT32WB415\_DFP.2.0.0  
Updated AT32WB415 firmware library

## **V2.1.0-2022/03/11**

1. ArteryTek.AT32F435\_437\_DFP.2.0.4  
Updated AT32F403A\_407 firmware library

## **V2.0.9-2022/02/11**

1. ArteryTek.AT32F403A\_407\_DFP.2.0.7  
Updated AT32F403A\_407 firmware library and svd file
2. ArteryTek.AT32F435\_437\_DFP.2.0.6  
Updated AT32F435\_437 firmware library and svd file

3. ArteryTek.AT32F421\_DFP.2.0.4  
    Updated AT32F421 firmware library
4. ArteryTek.AT32F413\_DFP.2.0.3  
    Updated AT32F413 firmware library and svd file
5. ArteryTek.AT32F415\_DFP.2.0.3  
    Updated AT32F415 firmware library and svd file
6. ArteryTek.AT32F425\_DFP.2.0.1  
    Updated AT32F425 firmware library and svd file, revised sram size
7. ArteryTek.AT32F403\_DFP.2.0.0  
    Added AT32F403 pack
8. ArteryTek.AT32WB415\_DFP.2.0.0  
    Added AT32WB415 pack

## **V2.0.8-2021/12/31**

1. ArteryTek.AT32F403A\_407\_DFP.2.0.6  
    Updated AT32F403A\_407 firmware library and svd file
2. ArteryTek.AT32F435\_437\_DFP.2.0.5  
    Updated AT32F435\_437 firmware library and svd file
3. ArteryTek.AT32F421\_DFP.2.0.3  
    Updated AT32F421 firmware library
4. ArteryTek.AT32F413\_DFP.2.0.2  
    Updated AT32F413 firmware library
5. ArteryTek.AT32F415\_DFP.2.0.2  
    Updated AT32F415 firmware library
6. ArteryTek.AT32F425\_DFP.2.0.0  
    Added AT32F425 pack

## **V2.0.7-2021/12/17**

1. ArteryTek.AT32F403A\_407\_DFP.2.0.5  
    Updated AT32F403A\_407 firmware library and svd file
2. ArteryTek.AT32F435\_437\_DFP.2.0.4  
    Updated AT32F435\_437 firmware library and svd file
3. ArteryTek.AT32F421\_DFP.2.0.2  
    Updated AT32F421 firmware library and svd file
4. ArteryTek.AT32F413\_DFP.2.0.1  
    Updated AT32F413 firmware library
5. ArteryTek.AT32F415\_DFP.2.0.1  
    Updated AT32F415 firmware library

## **V2.0.6-2021/11/26**

1. ArteryTek.AT32F403A\_407\_DFP.2.0.4  
Updated AT32F403A\_407 firmware library
2. ArteryTek.AT32F435\_437\_DFP.2.0.3  
Updated AT32F435\_437 firmware library
3. ArteryTek.AT32F421\_DFP.2.0.1  
Added the newest edition of AT32F421 pack
4. ArteryTek.AT32F413\_DFP.2.0.0  
Added the newest edition of AT32F413 pack
5. ArteryTek.AT32F415\_DFP.2.0.0  
Added the newest edition of AT32F415 pack

## **V2.0.5-2021/11/15**

1. ArteryTek.AT32F403A\_407\_DFP.2.0.3  
Updated AT32F403A\_407 firmware library and svd file
2. ArteryTek.AT32F435\_437\_DFP.2.0.2  
Updated AT32F435\_437 firmware library and svd file
3. ArteryTek.AT32F421\_DFP.2.0.0  
Added the newest edition of AT32F421 pack

## **V2.0.4-2021/10/27**

1. ArteryTek.AT32F403A\_407\_DFP.2.0.2  
Updated AT32F403A\_407 firmware library

## **V2.0.3-2021/10/26**

1. ArteryTek.AT32F435\_437\_DFP.2.0.1  
Updated AT32F435\_437 svd file  
Updated AT32F435\_437 firmware library

## **V2.0.2-2021/10/21**

1. ArteryTek.AT32F403A\_407\_DFP.2.0.1  
Updated AT32F403A\_407 svd file  
Updated AT32F403A\_407 firmware library

## **V2.0.1-2021/09/30**

1. ArteryTek.AT32F435\_437\_DFP.2.0.0  
Added the newest edition of AT32F435\_437 pack

## **V2.0.0-2021/07/01**

1. ArteryTek.AT32F403A\_407\_DFP.2.0.0

Added the newest edition of AT32F403A\_407 pack