MiWi™ v6.0 Release Notes

The MiWi™ stack is released with sample applications to demonstrate various stack features including its extended range via mesh networking, self-healing and new paths calculations, sleeping end devices, and a node's mobility within a network.

What's new in MiWi™ version 6.0

- MiWi™ P2P & Star Stack and applications are ported on SAMR21 and SAMR30 Platforms.
- New MiWi™ Mesh is implemented for SAMR21 and SAMR30 platforms
- MiWi™ Protocol is ported to Advanced Software Framework (ASF) to support easy integration of other components, services and drivers in application
- The MiApp API and MiMAC layer has been redesigned to support simple, easy to use and reliable data transfer. Refer Migration Guide for more details
- The joining procedure and routing algorithm has been improved for more stable and consistent device-to-device communications and to allow faster routing of packets.
- New Commissioning procedure is implemented which allows secured way of commissioning the devices.
- The MiWi™ Mesh stack is released in Library format. The MiWi™ -P2P, MiWi™ -Star stack, MiApp, MiMAC and application will remain in source code format.

Hardware Supported in this release

Microcontroller	RF Transceiver	Supported Evaluation Kit	Supported IDEs
SAMR21G18A(SIP)	RF233(in SIP)	SAMR21 ZLLEK SAMR21 XPRO	• Atmel Studio v7.0 • IAR Embedded Workbench® for ARM 7.4
SAMR30G18A(SIP)	RF212B(in SIP)	SAMR30 XPRO	• Atmel Studio v7.0 • IAR Embedded Workbench for ARM 7.4