

## **MT4ADS Operational Description - Addendum**

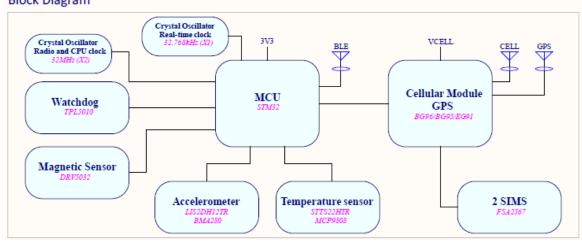
Applicant: Otodata Wireless Network, Inc. FCC ID: 2ADQFMT4ADS

We confirm that the MT4ADS in inherently compliant because it lacks the architecture to be able to have any software installed. This includes software produced or provided by **Kaspersky Lab**, **Inc.** or any of its successors and assignees, including equipment with integrated Kaspersky Lab, Inc. (or any of its successors and assignees) cybersecurity or antivirus software is installed in the equipment being certified.

The MT4ADS does not possess the necessary architecture to support software developed or provided by Kaspersky Lab, Inc. This includes the following components:

- Absence of a Central Processing Unit (CPU)
- Lack of Random-Access Memory (RAM)
- No available storage space (HDD or SSD)
- Absence of an operating system (such as Microsoft Windows, Linux, or Apple macOS)

To provide a comprehensive operational description, please find below the Block Diagram of the MT4ADS circuitry: Block Diagram



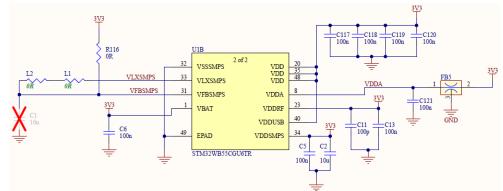
The only controller used on the MT4ADS is a STM32WB55CGU6TR Microcontroller unit (MCU), identified as U1 in our schematics.

As per the STM32WB55 datasheet, the configuration of this MCU only as 1 Mbyte of Flash memory. This is the only amount of memory located on the MT4ADS.

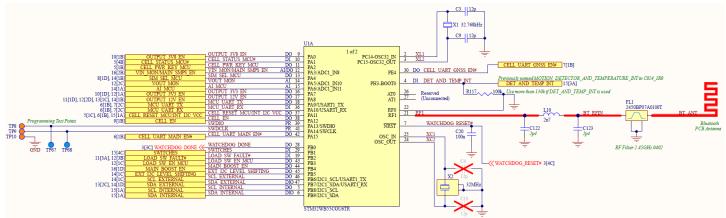
Example:	STM32	WB	55	V	G	V	6 A TR
Device family							
STM32 = Arm <sup>®</sup> based 32-bit microcontrolle	r						
Product type							
WB = Wireless Bluetooth®							
Device subfamily							
55 = Die 5, full set of features							
35 = Die 3, full set of features <sup>(1)</sup>							
Pin count							
C = 48 pins							
R = 68 pins							
V = 100 or 129 pins							
Flash memory size							
C = 256 Kbytes							
E = 512 Kbytes							
Y <sup>(2)</sup> = 640 Kbytes							
G = 1 Mbyte							
Package							
U = UFQFPN48 7 x 7 mm							
V = VFQFPN68 8 x 8 mm							
Y = WLCSP100 0.4 mm pitch							
Q = UFBGA129 0.5 mm pitch							
Temperature range							
6 = Industrial temperature range, -40 to 85	°C (105 °C	junctio	n)				
7 = Industrial temperature range, -40 to 105	5 °C (125 °	C juncti	on)				
Identification code							
A = Proprietary identification code							
blank = Non-proprietary identification code							
Packing							
TR = tape and reel							

The MCU is detailed in 2 sections in our schematics: the power section and I/O section.

• Power section:



• I/O section:



The I/O section is utilized for factory programming of the device, receiving clock signals, reading sensor inputs (including Magnetic, Accelerometer, and Temperature), activating Bluetooth, and communication with the cellular module via UART.

Consequently, the MT4ADS is inherently compliant with the restrictions set forth on Kaspersky Lab, Inc.

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