

UUID	NAME	VALUE		LENGTH	FLAGS	NOTES
0cd7e9d1-638a-4961-8b46-ae55020161a8	Sensor Mode	uint8 mode ;		1 byte	RW	
		mode	0 - None 1 - IMU 2 - Raw Accel, Gyro & Magneto			
bd097d0e-5978-49ee-8c82-4d0b861eae75	Sensor Data	uint8 mode ; payload (<i>depends on mode</i>)		<i>below</i>	R (notify)	
		mode	payload			
		1 - IMU	float q0 , q1 , q2 , q3 ;	16 bytes		
		2 - raw AGM	uint32 timestamp ; uint16 scale ; int16 ax , ay , az ; uint32 timestamp ; uint16 scale ; int16 gx , gy , gz ; uint32 timestamp ; uint16 scale ; int16 mx , my , mz ;	36 bytes		
0eb2bc59baf1-4c1c-8535-8a0204c69de5	Device Info	uint64 uid ; uint32 hw_ver ; uint32 fwloader_ver ; uint32 fw_ver ; uint32 fwloader_crc ; uint32 fw_crc ; uint8 flag ; uint16 project		31 bytes	RO	
0eb2bc59baf1-4c1c-8535-8a0204c69de5	Statistics	uint8 version ; uint32 uptime ; <i>to be expanded</i>		5 bytes max (currently)	RO	
bd097d0e-5978-49ee-8c82-4d0b861eae75	Location Data Mode	uint8 mode ;		1 byte	RW	
		mode	0 - positions (tags) 1 - distances (tags to anchors) 2 - distances + positions 11 - distances (anchors to anchors)			
003bbdf2-c634-4b3d-ab56-7ec889b89a37	Location Data	uint8 mode ; payload (<i>depends on mode</i>)		<i>below</i>	R (notify)	
		0 - Positions	uint8 mode ; uint8 version ; uint8 count ; <i>count x [uint16 ID, float pos_x, pos_y, pos_z, uint8 quality_factor]</i>	3 + count x 15		TAG ONLY
		1 - Distances	uint8 mode ; uint8 version ; uint8 count ; <i>count x [uint16 ID, uint16_t dist [cm]]</i>	3 + count x 4		TAG ONLY
		2 - Position + Distances	uint8 mode ; uint8 version ; uint16 ID , float pos_x , pos_y , pos_z , uint8 quality_factor ; uint8 count ; <i>count x [uint16 ID, uint16_t dist [cm]]</i>	18 + count x 4		
		11 - A2A distances	uint8 mode ; uint8 anchors_done ; uint8 anchors_total ; uint8 count ; uint16 reporter_node ; uint8 dist_cnt ; <i>dist_count x [uint16 ID; uint16 dist]</i>	7 + (<i>dist_cnt x 4</i>)	ANCHOR ONLY	
4f6d4b3c-3322-420f-accb-f34579b85d15	Get/Set Anchor Position	uint8 count ; uint8 qf ; <i>count x [uint16 ID, int32 pos_x, pos_y, pos_z]</i>		1 + (<i>cnt x 14</i>) bytes	RW	
3f0afd88-7770-46b0-b5e7-9fc099598964	Operation Mode	uint8 byte1 ; uint8 byte2		2 bytes	RW	
		byte 1		byte 2		
		bit0	reserved	bit0	reserved	
		bit1	reserved	bit1	reserved	
		bit2	0 = led off 1 = led on	bit2	reserved	
		bit3	0 = accel off 1 = accel on	bit3	1 = new config (autoresets to 0)	
		bit4	reserved	bit4	1 = start autopos (autoresets to 0)	
		bit5	reserved	bit5	0 = loc engine off 1 = loc engine on	
		bit6	reserved	bit6	0 = low power off 1 = low power on	
		bit7	0 = tag 1 = anchor	bit7	0 = initiator off 1 = initiator on	