					raw (FW, driver, plugin, database1)					calculated (database2)									
id	item	category	rounded with	type	length	type		lower limit	upper limit	length	type (now)	unit (now)	type (goal)	unit (goal)	lower limit	upper limit	resoluton	Accuracy	description	RMS noise
	Firmware HW/SW version			hard coded	2	byte		N/A	N/A		int (raw)	N/A	int (cal)	N/A	N/A	N/A	N/A	N/A		
	Build time			hard coded	4	byte		N/A	N/A		int (raw)	N/A	int (cal)	Y-M-D h-m-s	N/A	N/A	N/A	N/A		
0xFF	Build git			hard coded	2	byte		N/A	N/A		int (raw)	N/A	int (cal)	N/A	N/A	N/A	N/A	N/A		
0x00	Metsense MAC			hard coded	6	byte		N/A	N/A		string	N/A	string	N/A	N/A	N/A	N/A	N/A		
0x01	TMP112	Metsense	2	i2c	2	byte		0	0xFFFF		float	°C	float(binary32	°C	-40	125	1 °C	±1 °C		
	HTU21D temperature		2	i2c	3	byte		0	0xFFFFFF		float	°C	float	°C	-40	125	0.01 °C	±0.3 °C		
0x02	HTU21D humidity		2	i2c	3	byte		0	0xFFFFFF		float	%RH	float	%RH	0	100	0.04 %RH	±2 %RH		
0x03	HIH4030 humidity		2	analog	2	byte		0	0xFFFF		float	%RH	float	%RH	0	100	/1024 %RH	±3.5 %RH		
	BMP180 temperature		1	i2c	2	byte		0	0xFFFF		float	°C	float	°C	-40	85	0.1 °C	±1 °C	length needs to be revised	
0x04	BMP180 pressure		2	i2c	3	byte		0	0xFFFFFF		float	Pa	float	hPa	300	1100	0.01 hPa	±1 hPa	pressure requ	0.02 hPa (0.17 m)
0x05	PR103J2 temperature		2	analog	2	byte		0	0xFFFF		float	°C	float	°C	-55	80	/1024 %RH	±0.05 °C		
0x06	TSL250RD		3	analog	2	byte		0	0xFFFF		int (raw)	N/A	float	µw/cm2	0.2	51.5	78 µW/cm2	N/P		0.8 µV/√Hz
	MMA8452Q AccX		3	i2c	2	byte		0	0xFFFF		float	mg	float	mg	0	5000	, 1g / 1024)	±20 mg		99 µg/√Hz
	MMA8452Q AccY		3	i2c	2	byte		0	0xFFFF		float	mg	float	mg	0	5000	, 1g / 1024)	±20 mg		99 µg/√Hz
	MMA8452Q AccZ		3	i2c	2	byte		0	0xFFFF		float	mg	float	mg	0	5000	, 1g / 1024)	±20 mg		99 µg/√Hz
0x07	MMA8452Q AccMag		3	N/A	N/A	N/A		N/A	N/A		float	mg	float	mg	0	of AccX,Y, Z	Norm of res	of AccX, Y, Z		
0x08	SPV1840LR5H-B		2	analog	126	byte		0	0xFFFF		int (raw)	N/A	float	dB	C/F	C/F	-35 dBV/Pa	C/F	Signal to Noise Ratio 62.5 dB(A), 100 - 10,000 Hz	
0x09	TSYS01 temperature		2	i2c	3	byte		0	0xFFFFFF		float	°C	float	°C	-40	125	0.01 °C	±0.5 °C		
	HMC5883L Strength Hx	Lightsense	3	i2c	2	byte		0	0xFFFF		float	mG	float	mG	-1.3	1.3	92 mG/LSb	~ 2° heading		Gain: 1090 LSb/Gauss
	HMC5883L Strength Hy		3	i2c	2	byte		0	0xFFFF		float	mG	float	mG	-1.3	1.3	92 mG/LSb	~ 2° heading		noise floor: 2 mG
	HMC5883L Strength Hz		3	i2c	2	byte		0	0xFFFF		float	mG	float	mG	-1.3	1.3	92 mG/LSb	~ 2° heading		
0x0A	HMC5883L Change			N/A	N/A	N/A		N/A	N/A		float	mG	float	mG	0	f MagX,Y, Z	f MagX,Y, Z	f MagX, Y, Z		
	HIH6130 temperature		2	i2c	2	byte		0	0xFFFF		float	°C	float	°C	5	50	0.025 °C	±1 °C		
0x0B	HIH6130 humidity		2	i2c	2	byte		0	0xFFFF		float	%RH	float	%RH	10	90	0.04 %RH	±4 %RH		
0x0C	APDS-9006-020		3	i2c	2	byte		0	0xFFFFFF		int (raw)	N/A	float	Lux	0	1,000	C/F	C/F		2.5 µV
0x0D	TSL260		3	i2c	2	byte		0	0xFFFF		int (raw)	N/A	float	µw/m2	0.2	56.8	84 µW/cm2	N/P		2.5 µV + 0.8 µV/√Hz
0x0E	TSL250		3	i2c	2	byte		0	0xFFFF		int (raw)	N/A	float	µw/m2	0.2	51.5	78 µW/cm2	N/P		2.5 µV + 0.8 µV/√Hz
0x0F	MLX75305		3	i2c	2	byte		0	0xFFFF		int (raw)	N/A	float	µw/m2	C/F	C/F	C/F	C/F	500 - 1,000 n	2.5 µV
0x10	ML8511		3	i2c	2	byte		0	0xFFFF		int (raw)	N/A	int (caled)	N/A (index)	0	10	C/F	C/F		2.5 µV
0x13	TMP421		2	i2c	2	byte		0	0xFFFF		float	°C	float	°C	-40	125	for 2nd byte	.25 ~ 2.5 °C		
0x15	Total reducing gases (TOR, IRR)		2		N/A	N/A		N/A	N/A		int (raw)	N/A	float	ppm	0	20	N/P	(sensitivity)		
0x16	Chem FW Config				~1870	byte		N/A	N/A		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
0x17	Nitrogen dioxide		2		N/A	N/A		N/A	N/A		int (raw)	N/A	float	ppm	0	20	< 20 ppb	(sensitivity)		
0x18	Ozone		2		N/A	N/A		N/A	N/A		int (raw)	N/A	float	ppm	0	20	< 20 ppb	(sensitivity)		
0x19	Hydrogen sulphide		2		N/A	N/A		N/A	N/A		int (raw)	N/A	float	ppm	0	50	< 5 ppb	(sensitivity)		
0x1A	Total oxidizing gases (Tox, IAQ)		2		N/A	N/A		N/A	N/A		int (raw)	N/A	float	ppm	0.1	100	N/P	(sensitivity)		
0x1B	Carbon monoxide		2		N/A	N/A		N/A	N/A		int (raw)	N/A	float	ppm	0.5	1,000	< 100 ppb	(sensitivity)		
0x1C	Sulfur dioxide		2		N/A	N/A		N/A	N/A		int (raw)	N/A	float	ppm	0	20	< 20 ppb	(sensitivity)		
	SHT25 temperature		2		N/A	N/A		N/A	N/A		int (raw)	100th °C	float	°C	-40	125	1 (14 bit) °C	±0.2 °C		
0x1D	SHT25 humidity		2		N/A	N/A		N/A	N/A		int (raw)	100th %RH	float	%RH	0	100	(8 bit) %RH	±1.8 %RH		
	LPS25H temperature		2		N/A	N/A		N/A	N/A		int (raw)	100th °C	float	°C	-30	105	480 LSB/°C	±2 °C		
0x1E	LPS25H pressure		2		N/A	N/A		N/A	N/A		int (raw)	hPa	float	Pa	260	1260	96 LSB/hPa	±1 (0 - 80°C)		
	Si1445 UV intensity		2		N/A	N/A		N/A	N/A		int (raw)	N/A	float	N/A (index)	0	10	N/P	N/P		
	Si1445 visible light intensity		2		N/A	N/A		N/A	N/A		int (raw)	N/A	float	lux (TBD)	0	128,000	N/P	N/P		
0x1F	Si1445 proximity		2	rs232 - serial3	N/A	N/A		N/A	N/A		int (raw)	N/A	float	cm (TBD)	N/P	N/P	N/P	N/P		
0x20	Chemsense MAC				N/A	N/A		N/A	N/A		string	N/A	string	N/A	N/A	N/A	N/A	N/A		
0x21	CO ADC temperature		2		N/A	N/A		N/A	N/A		int (raw)	100th °C	float	°C	N/P	N/P	N/P	N/P		
0x22	IAQ IRR ADC temperature		2		N/A	N/A		N/A	N/A		int (raw)	100th °C	float	°C	N/P	N/P	N/P	N/P		
0x23	O3 NO2 ADC temperature		2		N/A	N/A		N/A	N/A		int (raw)	100th °C	float	°C	N/P	N/P	N/P	N/P		
0x24	SO2 H2S ADC temperature		2		N/A	N/A		N/A	N/A		int (raw)	100th °C	float	°C	N/P	N/P	N/P	N/P		
0x25	CO LMP temperature		2		N/A	N/A		N/A	N/A		int (raw)	100th °C	float	°C	N/P	N/P	N/P	N/P		
	Accelerometer X		2		N/A	N/A		N/A	N/A		int (raw)	N/A	float	g	N/P	N/P	N/P	N/P		
	Accelerometer Y		2		N/A	N/A		N/A	N/A		int (raw)	N/A	float	g	N/P	N/P	N/P	N/P		
	Accelerometer Z		2		N/A	N/A		N/A	N/A		int (raw)	N/A	float	g	N/P	N/P	N/P	N/P		
0x26	Accelerometer Vibration		2		N/A	N/A		N/A	N/A		int (raw)	N/A	float	g	N/P	N/P	N/P	N/P		
	Gyro X		2		N/A	N/A		N/A	N/A		int (raw)	N/A	float	°/s	N/P	N/P	N/P	N/P		
	Gyro Y		2		N/A	N/A		N/A	N/A		int (raw)	N/A	float	°/s	N/P	N/P	N/P	N/P		
	Gyro Z		2		N/A	N/A		N/A	N/A		int (raw)	N/A	float	°/s	N/P	N/P	N/P	N/P		
0x27	Gyro orientation index		2		N/A	N/A		N/A	N/A		int (raw)	N/A	float	°/s	N/P	N/P	N/P	N/P		
	Histogram bin count	Alpha sensor		spi	32	byte		62												
	Histogram average time				4	byte														
	Histogram sample flow rate				4	byte														
	Histogram temp / pressure (alter)				4	byte														
	Histogram sampling period				4	byte														
	Histogram sum of the count				2	byte														
	Histogram PM 1		3		4	byte														
	Histogram PM 2.5		3		4	byte														
0x28	Histogram PM 10		3		4	byte														
0x29	Serial				20	byte														
0x2A	All Chemsense	Chemsense		rs232 - serial3	256 (ro	byte		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	only case to	collect data from chem
0x2B	Status, alpha	Alpha sensor		spi	1	Byte		0	1		int (raw)	N/A	string	N/A	N/A	N/A	N/A	N/A		
0x30	Firmware	Alpha sensor		spi	2	byte														
	Configuration bin boundaries				32	byte		235												
	Configuration bin particle volumes				64	byte														
	Configuration bin particle dencities				64	byte														
	Configuration bin sample volume weightings B				64	byte														
	Configuration gain scaling coeifficient				4	byte														
	Configuration sampling flow rate				4	byte														
	Configuration laser DAC				1	byte														
	Configuration fan DAC				1	byte														
	Configuration conversion factor				1	byte														
0x31	Configuration spare bytes				21	byte														
0x2C	Rain gauge	Rain	2	digital interrupt	1	byte		0	0xFFFF		int (raw)	N/A	float	inch	0	5 in/h	0.01 inch	1 in/h	currently mapped 0xfc	
	Soil moisture volumetric Water Content	Soil	2		2	byte		0	0xFFFF		int (raw)	N/A	float	% VWC or m3	0 or 0	100 or 1	008 m3/m3	±0.03 m3/m3	currently mapped 0xfb	
	Soil moisture electric conductivity	Soil	2	rs232	2	byte		0	0xFFFF		int (raw)	N/A	float	dS/m	0	23	0.01 dS/m (	±10 % (0-7 dS/m), user cal required (7-23 dS/m)		
0x2D	Soil moisture temperature	Soil	1		2	byte		0	0xFFFF		int (raw)	N/A	float	°C	-40	50	0.1 °C	±1 °C		
0x2E	Water Level (Red)	Water level	1	analog	2	byte		0	0xFFFF											
0x2F	Water Level (Black)	Water level		analog	2	byte		0	0xFFFF											
0x32	Disabled Sensor	Disabled Sensor		pre-determined s	various	bytes														
0x35	PMS3003	Particle		rs232	30	byte		N/A	N/A											
0x36	PMS7003	Particle		rs232	30	byte		N/A	N/A											
0x37	YL-69	unknown		analog	2	byte		0	0xFFFF											
0x38	YHDC SCT-013-030	unknown		analog	2	byte		0	0xFFFF											
0x39	CR3110-3000	unknown		analog	2	byte		0	0xFFFF											
0x11	Bus reading	Bus reading		varies	varies	byte														
0x12	List of disabled sensors	List of disabled sensors		n/a																
0x50	wagman_id	Wagman			6	byte	byte[6]	0	0xFF*6											
	wagman_ver_hw_mj				0.5	uint	uint8	0	8											
0x51	wagman_ver_hw_mi				0.5	uint	uint8	0	8											
	wagman_ver_sw_mj				1	uint	uint8	0	127											
	wagman_ver_sw_mi				1	uint	uint8	0	127											
0x52	wagman_ver_sw_p				1	uint	uint8	0	127											
0x53	wagman_ver_git				2	byte	byte[2]	0	0xFFFF											
0x54	wagman_time_compile				4	float	uint32	0												
0x55	wagman_time_current				4	float	uint32													
0x56	wagman_boot_flag				1	uint	uint8													
0x57	wagman_uptime				4	float	uint32													
0x58	wagman_bootloader_nc_flag				1	uint	uint8													
0x59	wagman_boot_count				1	uint	uint8													
	wagman_current_wagman				2	uint	uint16													
	wagman_current_nc				2	uint	uint16													
	wagman_current_ep				2	uint	uint16													
	wagman_current_cs				2	uint	uint16													
	wagman_current_port4				2	uint	uint16													
0x5A	wagman_current_port5				2	uint	uint16													
	wagman_temperature_ncheatsink				2	uint	uint16													
	wagman_temperature_epheatsink				2	uint	uint16													
	wagman_temperature_battery				2	uint	uint16													
	wagman_temperature_brainplate				2	uint	uint16													
0x5B	wagman_temperature_powersupply				2	uint	uint16													
	wagman_htu21d_temperature				2	uint	int16													
0x5C	wagman_htu21d_humidity				2	uint	int16													
0x5D	wagman_hih4030_humidity				2	uint	int16													
0x5E	wagman_light				2	uint	uint16													
	wagman_failcount_nc				1	uint	uint8													
	wagman_failcount_ep				1	uint	uint8													
	wagman_failcount_cs				1	uint	uint8													
	wagman_failcount_port4				1	uint	uint8													
0x5F	wagman_failcount_port5				1	uint	uint8													
	wagman_enabled_nc				0.125	uint	uint8													
	wagman_enabled_ep				0.125	uint	uint8													
	wagman_enabled_cs				0.125	uint	uint8													
	wagman_enabled_port4				0.125	uint	uint8													
0x60	wagman_enabled_port5				0.125	uint	uint8													

					raw (FW, driver, plugin, database1)					calculated (database2)											
id	item	category	rounded with	type	length	type		lower limit	upper limit	length	type (now)	unit (now)	type (goal)	unit (goal)	lower limit	upper limit	resoluton	Accuracy	description	RMS noise
	wagman_mediaselect_nc				0.125	uint	char													
0x61	wagman_mediaselect_ep				0.125	uint	char													
	wagman_heartbeat_nc				4	uint	uint8													
	wagman_heartbeat_ep				4	uint	uint8													
	wagman_heartbeat_cs				4	uint	uint8													
	wagman_heartbeat_port4				4	uint	uint8													
0x62	wagman_heartbeat_port5				4	uint	uint8													
	wagman_lastboot_nc				4	float	uint32													
	wagman_lastboot_ep				4	float	uint32													
	wagman_lastboot_cs				4	float	uint32													
	wagman_lastboot_port4				4	float	uint32													
0x63	wagman_lastboot_port5				4	float	uint32													
	wagman_powerfault_nc				4	float														
	wagman_powerfault_ep				4	float														
	wagman_powerfault_cs				4	float														
	wagman_powerfault_port4				4	float														
0x64	wagman_powerfault_port5				4	float														
	wagman_bootattempt_nc				1	uint														
	wagman_bootattempt_nc				1	uint														
	wagman_bootattempt_nc				1	uint														
	wagman_bootattempt_nc				1	uint														
0x65	wagman_bootattempt_nc				1	uint														
0x66	wagman_rtc				4	uint														
0x70	nc_machine_id				32	byte	byte[32]													
0x71	nc_boot_id				32	byte	byte[32]													
0x72	nc_cpu_temp				2	float	uint24													
	nc_ram_total				2	float	uint32													
0x73	nc_ram_free				2	float	uint32													
	nc_current_disk_type				2	byte	chr													
	nc_alternate_disk_type				2	byte	chr													
	nc_partition1_total				2	float	unit24													
	nc_partition1_used				1	uint	unit24													
	nc_partition2_total				2	float	unit24													
	nc_partition2_used				1	uint	unit24													
	nc_partition3_total				2	float	unit24													
	nc_partition3_used				1	uint	unit24													
0x75	nc_current_time				4	float	unit32													
	nc_uptime				4	uint	unit32													
0x76	nc_idletime				4	uint	unit32													
	nc_load_1				2	float	binary32													
	nc_load_5				2	float	binary32													
0x77	nc_load_10				2	float	binary32													
	nc_ipaddress_octet1				1	uint	unit8													
	nc_ipaddress_octet2				1	uint	unit8													
	nc_ipaddress_octet3				1	uint	unit8													
0x78	nc_ipaddress_octet4				1	uint	unit8													
0x79	nc_hbmode				6	str	chr													
	nc_lock_fs				0.125	uint	chr													
0x7A	nc_lock_pw				0.125	uint	chr													
	beehive_ping				0.125	uint	chr													
	beehive_sshd				0.125	uint	chr													
0x7B	nc_local_sshd				0.125	uint	chr													
	nc_devices_alphasense				0.125	uint	chr													
	nc_devices_metsense				0.125	uint	chr													
	nc_devices_modem				0.125	uint	chr													
0x7C	nc_devices_wagman				0.125	uint	chr													
	nc_ver_core_mj				1	uint	uint8													
	nc_ver_core_mi				1	uint	uint8													
	nc_ver_core_p				1	uint	uint8													
	nc_ver_nodecontroller_mj				1	uint	uint8													
	nc_ver_nodecontroller_mi				1	uint	uint8													
	nc_ver_nodecontroller_p				1	uint	uint8													
	nc_ver_plugin_manager_mj				1	uint	uint8													
	nc_ver_plugin_manager_mi				1	uint	uint8													
0x7D	nc_ver_plugin_manager_p				1	uint	uint8													
	nc_rabbitmq_queues_data				0.125	uint	chr													
	nc_rabbitmq_exchanges_data				0.125	uint	chr													
	nc_rabbitmq_shovels_data				0.125	uint	chr													
0x7E	nc_rabbitmq_shovels_images				0.125	uint	chr													
	nc_services_rabbitmq_uptime				4	float	uint32													
	nc_services_rabbitmq_exitcode				1	uint	int8													
	nc_services_rabbitmq_state				0.5	uint	chr													
	nc_services_rabbitmq_substate				0.5	uint	chr													
	nc_services_init_uptime				4	float	uint32													
	nc_services_init_exitcode				1	uint	int8													
	nc_services_init_state				0.5	uint														
	nc_services_init_substate				0.5	uint														
	nc_services_heartbeat_uptime				4	float	uint32													
	nc_services_heartbeat_exitcode				1	uint	int8													
	nc_services_heartbeat_state				0.5	uint														
	nc_services_heartbeat_substate				0.5	uint														
	nc_services_epoch_uptime				4	float	uint32													
	nc_services_epoch_exitcode				1	uint	int8													
	nc_services_epoch_state				0.5	uint														
	nc_services_epoch_substate				0.5	uint														
	nc_services_reversetunnel_uptime				4	float	uint32													
	nc_services_reversetunnel_exitcode				1	uint	int8													
	nc_services_reversetunnel_state				0.5	uint														
	nc_services_reversetunnel_substate				0.5	uint														
	nc_services_wagmandriver_uptime				4	float	uint32													
	nc_services_wagmandriver_exitcode				1	uint	int8													
	nc_services_wagmandriver_state				0.5	uint														
	nc_services_wagmandriver_substate				0.5	uint														
	nc_services_wwan_uptime				4	float	uint32													
	nc_services_wwan_exitcode				1	uint	int8													
	nc_services_wwan_state				0.5	uint														
0x7F	nc_services_wwan_substate				0.5	uint														
0x80	ep_machine_id				12	byte	byte[32]													
0x81	ep_boot_id				32	byte	byte[32]													
0x82	ep_cpu_temp				2	float	uint24													
	ep_ram_total				2	float	uint32													
0x83	ep_ram_free				2	float	uint32													
	ep_current_disk_name				7	byte														
	ep_current_disk_type				2	byte	chr													
	ep_alternate_disk_name				7	byte														
	ep_alternate_disk_type				2	byte	chr													
	ep_partition1_total				2	float	unit24													
	ep_partition1_used				1	uint	unit24													
	ep_partition2_total				2	float	unit24													
	ep_partition2_used				1	uint	unit24													
	ep_partition3_total				2	float	unit24													
0x84	ep_partition3_used				1	uint	unit24													
0x85	ep_current_time				4	float	unit32													
	ep_uptime				4	uint	unit32													
0x86	ep_idletime				4	uint	unit32													
	ep_load_1				2	float	binary32													
	ep_load_5				2	float	binary32													
0x87	ep_load_10				2	float	binary32													
	ep_ipaddress_octet1				1	uint	uint8													
	ep_ipaddress_octet1				1	uint	uint8													
	ep_ipaddress_octet1				1	uint	uint8													
0x88	ep_ipaddress_octet1				1	uint	uint8													
0x89	ep_hbmode				6	str	chr													
	ep_lock_fs				0.125	uint	chr													
0x8A	ep_lock_pw				0.125	uint	chr													
	ep_devices_camera_bottom				0.125	uint	chr													
	ep_devices_camera_top				0.125	uint	chr													
0x8B	ep_devices_microphone				0.125	uint	chr													
	ep_ver_core_mj				1	uint	uint8													
	ep_ver_core_mi				1	uint	uint8													
	ep_ver_core_p				1	uint	uint8													
	ep_ver_edge_processor_mj				1	uint	uint8													
	ep_ver_edge_processor_mi				1	uint	uint8													
	ep_ver_edge_processor_p				1	uint	uint8													
	ep_ver_plugin_manager_mj				1	uint	uint8													
	ep_ver_plugin_manager_mi				1	uint	uint8													
0x8C	ep_ver_plugin_manager_p				1	uint	uint8													
	ep_rabbitmq_queues_data				0.125	uint	chr													
	ep_rabbitmq_queues_images				0.125	uint	chr													
	ep_rabbitmq_exchanges_data				0.125	uint	chr													
0x8D	ep_rabbitmq_exchanges_images				0.125	uint	chr													
	ep_services_rabbitmq_uptime				4	float	uint32													

NodeController

EdgeProcessor

					raw (FW, driver, plugin, database1)					calculated (database2)											
id	item	category	rounded with	type	length	type		lower limit	upper limit	length	type (now)	unit (now)	type (goal)	unit (goal)	lower limit	upper limit	resoluton	Accuracy	description	RMS noise	
	ep_services_rabbitmq_exitcode				1	uint	int8														
	ep_services_rabbitmq_state				0.5	uint															
	ep_services_rabbitmq_substate				0.5	uint															
	ep_services_init_uptime				4	float	uint32														
	ep_services_init_exitcode				1	uint	int8														
	ep_services_init_state				0.5	uint															
	ep_services_init_substate				0.5	uint															
	ep_services_heartbeat_uptime				4	float	uint32														
	ep_services_heartbeat_exitcode				1	uint	int8														
	ep_services_heartbeat_state				0.5	uint															
0x8E	ep_services_heartbeat_substate				0.5	uint															
	net_broadband_rx				4	uint															
0x90	net_broadband_tx				4	uint															
	net_lan_rx				4	uint															
0x91	net_lan_tx				4	uint															
	net_usb_rx				4	uint															
0x92	net_usb_tx				4	uint															
	audio_spl_octave1				4	float	binary32					dB									
	audio_spl_octave2				4	float	binary32					dB									
	audio_spl_octave3				4	float	binary32					dB									
	audio_spl_octave4				4	float	binary32					dB									
	audio_spl_octave5				4	float	binary32					dB									
	audio_spl_octave6				4	float	binary32					dB									
	audio_spl_octave7				4	float	binary32					dB									
	audio_spl_octave8				4	float	binary32					dB									
	audio_spl_octave9				4	float	binary32					dB									
	audio_spl_octave10				4	float	binary32					dB									
0x93	audio_spl_octave_total				4	float	binary32					dB									
	image_device				1	char	char[1]														
	image_average_color_r				1		uint8														
	image_average_color_g				1		uint8														
	image_average_color_b				1		uint8														
	image_histogram_r				17		char[17]														
	image_histogram_g				17		char[17]														
0xA0	image_histogram_b				17		char[17]														
	image_detection_car						uint8														
0xA1	image_detection_person						uint8														