

RF Messages by Length

Bytes	Orig. Default Node	Packet Format or Node Definition	Github File (relative to OEM Github home page)
4	10	int power, Pulse;	emonTx2/firmware/emonTx_Pulse/emonTx_Pulse.ino emonTxFirmware/emonTxV3/unordered_examples/ emonTx_V3_Pulse/emonTx_V3_Pulse.ino
4	18	int temp; Int battery;	emonTx2/firmware/emonTx_temperature_examples/ emonTx_lowpower_temperature/ emonTx_lowpower_temperature.ino
6	19	int battery; // 2 bytes for each int int humidity; int internalTemp; // 6 bytes of 126 byte(maximum) rf packet used for all these. this number goes into the "PayloadLength" initial value above Int onewireTemp[MaxOnewire]; // 2 additional bytes used for each sensor - maximum of 61 sensors supported with this arrangement and rf packet type. (If you had to hook up more than 60 sensors to one node, I pity you.)	emonTH/firmware/user_contributed/ emonTH_V1_5_DHT22_multiple_DS18B20/ emonTH_V1_5_DHT22_multiple_DS18B20.ino
6	10	int power1, Vrms, frequency;	emonTx2/firmware/Archive/InterruptBased/ emonTx_CT123_Voltage_Interrupt_RF/ emonTx_CT123_Voltage_Interrupt_RF_temperature.ino
6	10	[[10]] [[[rx]]] names = temperature, external temperature, humidity, battery, pulseCount datacodes = h,h,h,h,L Scales = 0.1,0.1,0.1,0.1,1 Units = C,C,%,V,p	emonTx2/firmware/Archive/InterruptBased/ emonTx_CT123_Voltage_Interrupt_RF/ emonTx_CT123_Voltage_Interrupt_RF.ino
6	21	int temp; int humidity; Int battery;	emonTx2/firmware/emonTx_temperature_examples/ emonTx_lowpower_DHT22humidity/ emonTx_lowpower_DHT22humidity.ino
8	10	int power1, power2, power3, Vrms;	emonTx2/firmware/emonTx_CT123_3Phase_Voltage/ emonTx_CT123_3Phase_Voltage.ino
8	10	int power1, power2, power3, Vrms;	emonTx2/firmware/emonTx_CT123_Voltage/ emonTx_CT123_Voltage.ino
8	10	int power1, power2, power3, Battery;	emonTx2/firmware/emonTx_CT123/emonTx_CT123.ino
8	17	int temp1; int temp2; int humidity; Int battery;	emonTx2/firmware/emonTx_temperature_examples/ emonTx_lowpower_temperature_humidity/ emonTx_lowpower_temperature_humidity.ino
8	10	// int msgNumber; int power_CT1; int power_CT2; int power_CT3; int power_CT4;	emonTxFirmware/emonTxV3/unordered_examples/ emonTxV3_continuous/emonTxV3_continuous.ino
8	10	int power1, power2, power3, Power4;	emonTxFirmware/emonTxV3/unordered_examples/ emonTxV3_CurrentOnly/emonTxV3_CurrentOnly.ino
10	19	int battery; int humidity; int internalTemp; int externalTemp1; int externalTemp2; // If you have more sensors, add further variables here.	emonTH/firmware/user_contributed/ emonTH_DHT22_dual_DS18B20/ emonTH_DHT22_dual_DS18B20/ emonTH_DHT22_dual_DS18B20.ino
10	6	[[6]] nodename = emonTxShield firmware = emonTxShield hardware = emonTxShield [[[rx]]] names = power1, power2, power3, power4, Vrms datacode = h scales = 1,1,1,1,0.01 units = W,W,W,W,V	emonTx-shield/firmware/Shield_CT1234_Voltage/ Shield_CT1234_Voltage.ino
10	6	int power1, power2, power3, power4, Nothing;	emonTx-shield/firmware/Shield_CT1234/Shield_CT1234.ino

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10	10	int power1, Power2, Power3, Vrms, T1;	emontx2/firmware/emonTx_CT123_Voltage_Temp/ emonTx_CT123_Voltage_Temp.ino
10	10	int power1, power2, power3, power4, Vrms	emonTxFirmware/emonTxV3/unordered_examples/ emonTxV3_RealPower_Voltage/ emonTxV3_RealPower_Voltage.ino
12	23	[[[23]] [[[rx]]] Names = temperature, external temperature, humidity, battery, pulseCount datacodes = h,h,h,h,L Scales = 0.1,0.1,0.1,0.1,1 units = C,C,%,V,p	emonTH/firmware/ emonTH_DHT22_DS18B20_RFM69CW_Pulse/ emonTH_DHT22_DS18B20_RFM69CW_Pulse.ino
12	23	[[[23]] Nodename = emonTH_5 firmware = V2.x_emonTH_DHT22_DS18B20_RFM69CW_Pulse hardware = emonTH_(Node_ID_Switch_DIP1:OFF_DIP2:OFF) [[[rx]]] names = temperature, external temperature, humidity, battery, pulseCount datacodes = h,h,h,h,L scales = 0.1,0.1,0.1,0.1,1 units = C,C,%,V,p	emonTH/firmware/ emonTH_DHT22_DS18B20_RFM69CW_Pulse/ emonTH_DHT22_DS18B20_RFM69CW_Pulse.ino
12	23	[[[23]] [[[rx]]] names = temperature, external temperature, humidity, battery, pulseCount datacodes = h,h,h,h,L Scales = 0.1,0.1,0.1,0.1,1 units = C,C,%,V,p	emonTH/firmware/ emonTH_DHT22_DS18B20_RFM69CW_Pulse/ emonTH_DS18B20_in_DHT22_socket_Pulse/ emonTH_DS18B20_in_DHT22_socket/ emonTH_DS18B20_in_DHT22_socket.ino
12	23	int externalTemp1; int externalTemp2; int humidity; int battery; unsigned long internalTemp; // If you have more sensors, add further variables here.	emonTH/firmware/user_contributed/ emonTH_DHT22_dual_DS18B20/ emonTH_DHT22_dual_DS18B20_RFM69CW/user
12	23	[[[23]] [[[rx]]] Names = temperature, external temperature, humidity, battery, pulseCount datacodes = h,h,h,h,L scales = 0.1,0.1,0.1,0.1,1 units = C,C,%,V,p	emonth2/firmware/src/src.ino
12	10	int realPower; int apparentPower; int T1; int T2; int T3; int T4;	emontx2/firmware/emonTx_temperature_examples/ emontx_temperature_power/emontx_temperature_power.ino
12	10	int power, wh, T1, T2, T3, T4;	emonTxFirmware/emonTxV3/unordered_examples/ EmonTxV3HeatpumpMonitor/EmonTxV3HeatpumpMonitor.ino
14	10	int power1, power2, power3, power4, Vrms, temp, Pulses;	emonTxFirmware/emonTxV3/unordered_examples/ emonTxV3_RFM12B_DiscreteSampling_with_pulse/ emonTxV3_RFM12B_DiscreteSampling_with_pulse.ino
22	10	unsigned long msgNumber; int realPower_CT1; int realPower_CT2; int realPower_CT3; long wh_CT1; long wh_CT2; long wh_CT3;	emontx2/firmware/emonTx_continuous_watthours/ emonTx_continuous_watthours.ino

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22	11	[[11]] nodename = 3phase [[[rx]]] names = powerL1, powerL2, powerL3, power4, Vrms, temp1, temp2, temp3, temp4, temp5, temp6 datacode = h scales = 1,1,1,1,0.01,0.1,0.1,0.1,0.1,0.1,0.1 units = W,W,W,W,V,C,C,C,C,C,C	emonTxFirmware/emonTxV3/RFM/emonTxV3.4/ emonTxV3_4_3Phase_Voltage/ emonTxV3_4_3Phase_Voltage.ino
24	10	int power1, power2, power3, power4, Vrms, temp[MaxOnewire]; Int pulseCount;	emonTxFirmware/emonTxV3/RFM/emonTxV3.2/ emonTxV3_2_DiscreteSampling/ emonTxV3_2_DiscreteSampling.ino
24	8	int power1, power2, power3, power4, Vrms, temp[MaxOnewire]; Unsigned long pulseCount;	emonTxFirmware/emonTxV3/RFM/emonTxV3.4/ emonTxV3_4_DiscreteSampling_ACK/ emonTxV3_4_DiscreteSampling_ACK.ino
26	11	[[11]] nodename = emonTx_three_phase firmware = three_phase hardware = emonTx V3.2/V3.4/Shield [[[rx]]] names = power1, power2, power3, power4, Vrms, temp1, temp2, temp3, temp4, temp5, temp6, pulsecount datacodes = h, h, h, h, h, h, h, h, h, h, h, L scales = 1,1,1,1,0.01,0.01,0.01,0.01,0.01,0.01,0.01,1 units = W,W,W,W,V,C,C,C,C,C,C,p	emontx-3phase/src/src.ino
26	8	[[8]] nodename = emonTx_3 firmware = V2_3_emonTxV3_4_DiscreteSampling hardware = emonTx_(NodeID_DIP_Switch1:OFF) [[[rx]]] names = power1, power2, power3, power4, Vrms, temp1, temp2, temp3, temp4, temp5, temp6, pulse datacodes = h,h,h,h,h,h,h,h,h,h,h,h,L scales = 1,1,1,1,0.01,0.1,0.1, 0.1,0.1,0.1,0.1,1 units = W,W,W,W,V,C,C,C,C,C,C,p	emontx3/firmware/src/src.ino
28	10	unsigned long msgNumber; int realPower_CT1; int realPower_CT2; int realPower_CT3; int realPower_CT4; long wh_CT1; long wh_CT2; long wh_CT3; long wh_CT4;	emonTxFirmware/emonTxV3/RFM/emonTxV3.2/ emonTxV3_2_continuous_kwhtotals/ emonTxV3_2_continuous_kwhtotals.ino
28	10	unsigned long msgNumber; int realPower_CT1; int realPower_CT2; int realPower_CT3; int realPower_CT4; long wh_CT1; long wh_CT2; long wh_CT3; long wh_CT4;	emonTxFirmware/emonTxV3/RFM/emonTxV3.4/ emonTxV3_4_continuous_kwhtotals/ emonTxV3_4_continuous_kwhtotals.ino
30	10	unsigned long msg; int power1, power2, power3, power4, Vrms, temp[MaxOnewire]; unsigned long pulseCount; // unsigned long retry; unsigned long fail;	emonTxFirmware/emonTxV3/RFM/emonTxV3.4/ emonTxV3_4_Continuous_Beta/ emonTxV3_4_Continuous_Beta.ino
40	15	[[15]] nodename = emontx3cm15 [[[rx]]] names = MSG, Vrms, P1, P2, P3, P4, E1, E2, E3, E4, T1, T2, T3, pulse datacodes = L,h,h,h,h,h,h,h,h,h,h,h,h,L scales = 1,0.01,1,1,1,1,1,1,1,1,0.01,0.01,0.01,1 units = n,V,W,W,W,W,Wh,Wh,Wh,Wh,C,C,C,p Whitening = 1	EmonTxV3CM/src/EmonTxV3CM.ino