Packet Structure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Zigbee ID[12] | Length[1] | Type[1] | Interval[1] | Payload [Length – 3] |

Yard Meter

MSG\_TYPE\_METER\_INTERVAL\_LONG

24 53 54 00 12 4B 00 01 0B D4 C4 01

16 15

05

21 00 00 00

3F 00 00 00

3F 00 00 00

40 00 00 00

41 00 00 00

D9

0D 0A

|  |  |
| --- | --- |
| 24 53 54 | Zigbee Signature, Start byte, ASCII ($ST) |
| 00 12 4B 00 01 0B D4 C4 | Zigbee Signature, End Device ID, Hex |
| 01 | Zigbee Signature, Meter ID, Hex |
| 16 | Length, Hex |
| 15 | Type, Hex |
| 05 | Interval (Number of data stored), Hex |
| 21 00 00 00 | Meter reading (Yard), Hex (Long), Little Endian |
| D9 | Coordinator Packet CheckSum, Hex, Adding all bytes from Zigbee Signature to the last QTY, Range 0x00 to 0xFF |
| 0D 0A | Zigbee Signature, Stop byte |

CS Meter Test\_CS

MSG\_TYPE \_INTERVAL\_RAW\_DATA

24 53 54 00 12 4B 00 01 0B D4 C4 01

20 D3

05

78 00 01 00 06 00 5E 00 1D 00 51 00 28 00 00 00 79 00 00 00

02 00

02 00

02 00

02 00

02 00

BB

0D 0A

|  |  |
| --- | --- |
| 24 53 54 | Zigbee Signature, Start byte, ASCII ($ST) |
| 00 12 4B 00 01 0B D4 C4 | Zigbee Signature, End Device ID, Hex |
| 01 | Zigbee Signature, Meter ID, Hex |
| 20 | Length, Hex |
| D3 | Type, Hex |
| 05 | Interval (Number of data stored), Hex |
| 78 00 01 00 06 00 5E 00 1D 00 51 00 28 00 00 00 79 00 00 00 | CS Raw Data, Hex, ( 20 bytes ) |
| 02 00 | Meter reading (CS), Hex (Int), Little Endian |
| BB | Coordinator Packet CheckSum, Hex, Adding all bytes from Zigbee Signature to the last QTY, Range 0x00 to 0xFF |
| 0D 0A | Zigbee Signature, Stop byte |

Send Buffer ( PP\_Sbuf[] ) content detail:

|  |  |  |  |
| --- | --- | --- | --- |
| PP\_Sbuf[n] | Name | Length (Byte) | Endian |
| 0 | Interval Counter | 1 |  |
| 1 | max\_sensor\_value | 2 | Little |
| 3 | min\_sensor\_value | 2 | Little |
| 5 | frequency | 2 | Little |
| 7 | perious\_count\_period\_max\_sensor\_value | 2 | Little |
| 9 | perious\_count\_period\_min\_sensor\_value | 2 | Little |
| 11 | threshold\_high | 2 | Little |
| 13 | threshold\_low | 2 | Little |
| 15 | average\_sensor\_value | 2 | Little |
| 17 | time\_period\_max\_sensor\_value | 2 | Little |
| 19 | time\_period\_min\_sensor\_value | 2 | Little |
| 21 | color\_sensor\_count\_1 | 2 | Little |
| 23 | color\_sensor\_count\_2 | 2 | Little |
| 25 | color\_sensor\_count\_3 | 2 | Little |
| 27 | color\_sensor\_count\_4 | 2 | Little |
| 29 | color\_sensor\_count\_5 | 2 | Little |

New: MSG\_TYPE \_INTERVAL\_RAW\_DATA

24 53 54 00 12 4B 00 01 0B D4 C4 01 20 D3 05 78 00 01 00 06 00 5E 00 1D 00 51 00 28 00 00 00 79 00 00 00 02 00 02 00 02 00 02 00 02 00 BB 0D 0A

Original: MSG\_TYPE \_RAW\_DATA

24 53 54 00 12 4B 00 01 0B D4 C4 01 17 D1 78 00 01 00 06 00 02 00 5E 00 1D 00 51 00 28 00 00 00 79 00 00 00 A3 0D 0A

CS Meter

MSG\_TYPE\_METER\_INTERVAL\_INT

24 53 54 00 12 4B 00 01 0B D4 C4 01

0C 16

05

02 00

02 00

02 00

02 00

02 00

FE

0D 0A

|  |  |
| --- | --- |
| 24 53 54 | Zigbee Signature, Start byte, ASCII ($ST) |
| 00 12 4B 00 01 0B D4 C4 | Zigbee Signature, End Device ID, Hex |
| 01 | Zigbee Signature, Meter ID, Hex |
| 0C | Length, Hex |
| 16 | Type, Hex |
| 05 | Interval (Number of data stored), Hex |
| 02 00 | Meter reading (CS), Hex (Int), Little Endian |
| FE | Coordinator Packet CheckSum, Hex, Adding all bytes from Zigbee Signature to the last QTY, Range 0x00 to 0xFF |
| 0D 0A | Zigbee Signature, Stop byte |

New: MSG\_TYPE \_METER\_INTERVAL\_INT

24 53 54 00 12 4B 00 01 0B D4 C4 01 0C 16 05 02 00 02 00 02 00 02 00 02 00 FE 0D 0A

Original: MSG\_TYPE\_METER\_INT

24 53 54 00 12 4B 00 01 0B D4 C4 01 03 01 02 00 D3 0D 0A