

Firmware information

Monitoring data frame: Personnel traffic detection

Offset	Length	Type	Data	Details
0	1	Data Length	0x02	Data length of the AD structure
1	1	Flag Data Type	0x01	The AD type is Flags
2	1	Flag Data	0x06	The flags are "LE (Low Energy) Regular Discoverable Mode" and "BR/EDR not supported"
3	1	Data Length	/	Data length of the AD structure
4	1	AD Type	0xFF	The AD type is vendor - defined data
5	2	CompanyID	0x3906	LE,Manufacturer ID,0x0639 = Minew Technologies Co., Ltd
7	1	Frame Type	0xCA	Minew Connect V3
8	1	Frame Version	0x18	Broadcast frame type, radar monitor frame
9	1	Usage	0x00	Indicating that this is a human traffic monitoring data frame
10	1	Serial number	-	Each time the sensor outputs monitoring data, the serial number automatically adds 1, up to 255 jump to 0, cycle
11	2	Number of entries	-	The number of entry times detected by radar; LE (Little Endian) model; The high and low bits need to be converted and then resolved
13	2	Number of exits	-	The number of entry times detected by radar; LE (Little Endian) model; The high and low bits need to be converted and then resolved
15	12	TBD	-	Not yet defined
27	2	Salt	-	BE, Random number
29	2	Digital Signature	-	Digital signature

Parsing example:

Broadcast packets: 0201061BFF3906CA18001A040104030000000000000000000000000020ADD2D6

Explanation:

0201061BFF3906: Front part, as described above.

CA: indicates the Minew Connect V3 protocol

18: Radar monitoring frame

00: human flow monitoring data frame

1A: serial number

0401: When parsing, the high and low bits are converted to 0104, which represents the entry times 260 times

0403: When parsing, the high and low bits are converted to 0304, which represents 772 times of going out when converted to decimal

00000000000000000000000000000000: undefined data

20AD: indicates a random number

D2D6: indicates a digital signature

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Device information frame

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3	1	Data Length	/	Data length of the AD structure
4	1	AD Type	0xFF	The AD type is vendor - defined data
5	2	CompanyID	0x3906	LE,Manufacturer ID,0x0639 = Minew Technologies Co., Ltd
7	1	Frame Type	0xCA	Minew Connect V3
8	1	Frame Version	0x00	@ref [ESL device type](ESL Branch Vers.md)
9	6	Mac Address	-	LE,0x0165332211AC = AC:11:22:33:65:01
15	1	Battery Level	-	Percentage of battery capacity, 0x64 = 100%
16	2	Firmware Version	-	BE, 0x2187 = 1.3.7 (16 bites: 3b maior 6b minor 7b build
18	8	Peripheral Support	-	@ref peripherals support description
26	1	TBD	-	Not yet defined
27	2	Salt	-	BE, Random number
29	2	Digital Signature	-	Digital signature