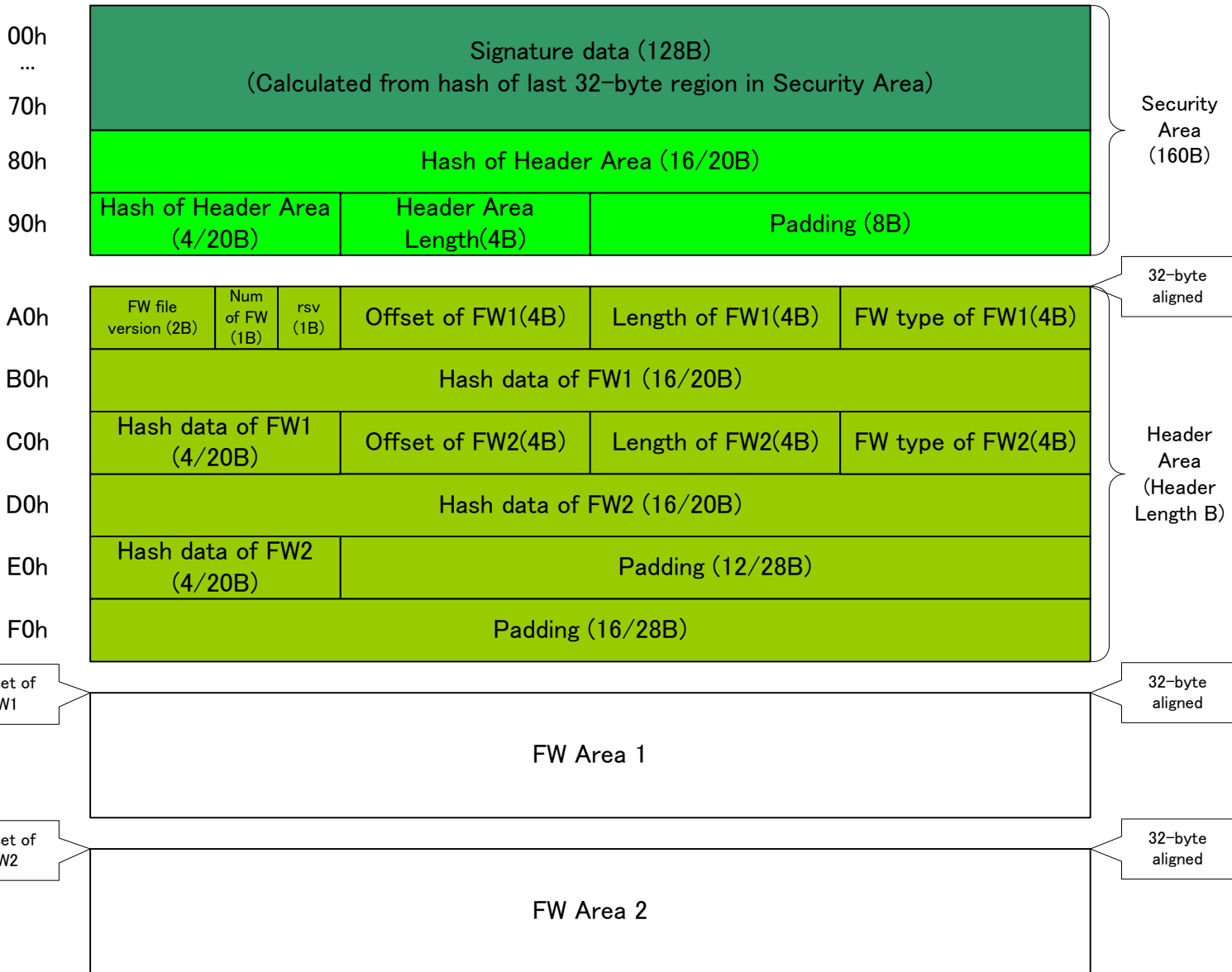


Wireless Firmware File Format

(Overall view)

0 1 2 3 4 5 6 7 8 9 A B C D E F



FW type

2in1 module 1.1 : 00000000 h
 2in1 module 2.0 : 00000001 h
 One Chip(M&M) module : 00000002 h

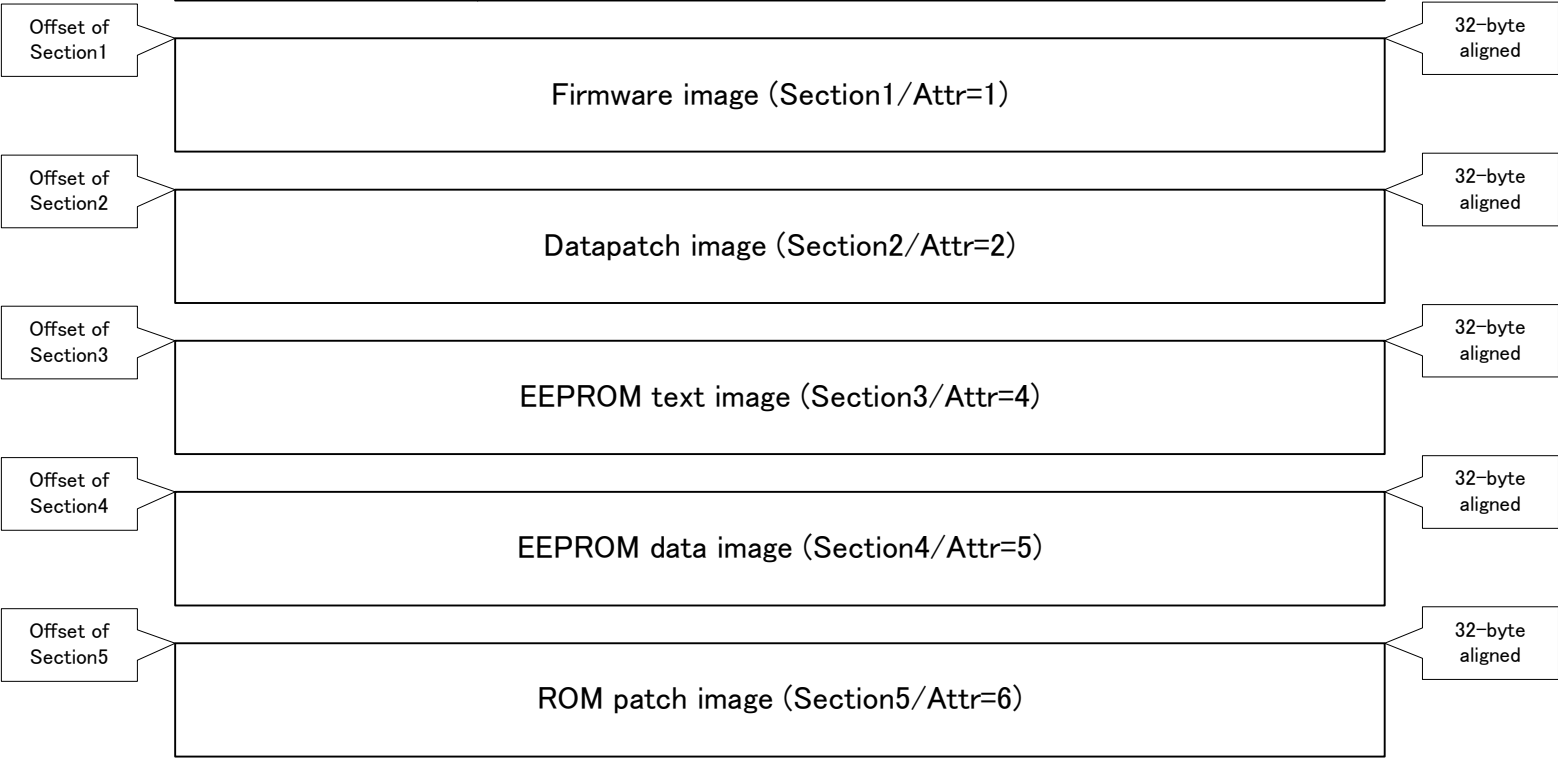
FW file version

| | |
|-------------------|-------------------|
| Major version(1B) | Minor version(1B) |
|-------------------|-------------------|

Wireless Firmware File Format
(Discrete firmware image view)

0 1 2 3 4 5 6 7 8 9 A B C D E F

| | | | | | | |
|-----|--------------------------------|---------------------------|---------------------------------|------------------------------|----------------------------------|--------------------------------|
| 00h | Num of Section = 5 | Num of Support ChipID = 2 | Offset to HardwareID descriptor | Offset of Section1(4B) | Length of Section1(4B) | Attribute of Section1(4B) |
| 10h | Target address of Section1(4B) | | | Offset of Section2(4B) | Length of Section2(4B) | Attribute of Section2(4B) |
| 20h | Target address of Section2(4B) | | | Offset of Section3(4B) | Length of Section3(4B) | Attribute of Section3(4B) |
| 30h | Target address of Section3(4B) | | | Offset of Section4(4B) | Length of Section4(4B) | Attribute of Section4(4B) |
| 40h | Target address of Section4(4B) | | | Offset of Section5(4B) | Length of Section5(4B) | Attribute of Section5(4B) |
| 50h | Target address of Section5(4B) | | | Supported Hardware ID 1 (8B) | | Supported Hardware ID 2 (4/8B) |
| 60h | Supported Hardware ID 2 (4/8B) | | | FW version (4B) | Host Interest Start Address (4B) | Target RAM Start Address (4B) |
| 70h | Target RAM Length (4B) | | | Atheros reserved (12/16B) | | |
| 80h | Atheros reserved (4/16B) | | | Padding (12B) | | |



Attribute list

| | |
|--------------------------|------------------|
| NWM_FW_ATTR_WLAN | 1 |
| NWM_FW_ATTR_DATAPATCH | 2 |
| NWM_FW_ATTR_DATASEGMENT | 3 |
| NWM_FW_ATTR_EEPROMTEXT | 4 |
| NWM_FW_ATTR_EEPROMDATA | 5 |
| NWM_FW_ATTR_ROMPATCH | 6 |
| NWM_FW_ATTR_BOARDDATA | 7 /* not used */ |
| NWM_FW_ATTR_TCMD | 8 /* not used */ |
| NWM_FW_ATTR_COMP_FLAG | 0x80000000 |
| NWM_FW_ATTR_PATCHID_MASK | 0x00FF0000 |

Hardware ID

| | |
|-------------|-------------|
| ChipID (4B) | ROM ID (4B) |
|-------------|-------------|