x8090 - Mode Status

Version 1

Mode Status

This interface is used to notify and be queried by software.

Functions

[0] **getModeStatus**() → Modestatus0, Modestatus1
[1] **setModeStatus**() → Modestatus0, Modestatus1
[2] **getDevConfig**() → DevCapability

Events

[0] **modeStatusBroadcasting** → Modestatus0, Modestatus1, ChangedMask0, ChangedMask1

Overview

This interface is used to notify and be queried Device status of modes by software.

Functions and Events

[0] getModeStatus() → Modestatus0, Modestatus1

Retrieves information about the feature.

Parameters

none

Returns

Modestatus0 [8-bit]

- Bit 0 :

```
0 = Endurance mode
1 = Performace mode
```

- Bit 1~7 : Reseved

Modestatus1 [8-bit]

Reserved

Table 1. getModeStatus() response packet format

byte \ bit	7	6	5	4	3	2	1	0
0	Modestatus0							
1	Modestatus1							
2-15	Reserved							

[1] setModeStatus() → Modestatus0, Modestatus1

Apply the desired mode to the device.

Parameters

Modestatus0 [8-bit]

- Bit 0 :

```
0 = Endurance mode
1 = Performace mode
```

- Bit 1~7 : Reseved

Modestatus1 [8-bit]

Reserved

ChangedMask0 [8-bit]

the changed bit mask of mode status 0

ChangedMask1 [8-bit]

the changed bit mask of mode status 1

Table 2. setModeStatus() resuest packet format

byte \ bit	7	6	5	4	3	2	1	0
0	Modestatus0							
1	Modestatus1							
2	ChangedMask0							
3	ChangedMask1							
4-15	Reserved							

Returns

none

[2] getDevConfig() → DevCapability

Returns the configuration flags supported by the device.

Parameters

none

Returns

DevCapability [16-bit]

DevCapability value passed in request.

```
Bit 0 & 1: capability setup for bit 0 in mode status0 (Performance/Endurance mode).
    Bit 0 : changed by HW switch.
    Bit 1 : changed by SW switch.
```

```
Bit 3 ~ 15: reserved.
```

Table 3. getDevConfig() response packet format

byte \ bit	7	6	5	4	3	2	1	0
0	DevCapability (MSB)							
1	DevCapability (LSB)							
2-15	Reserved							

Events

[0] modeStatusBroadcasting → Modestatus0, Modestatus1, ChangedMask0, ChangedMask1

Sends the Mode status .modeStatusBroadcasting packet format

byte \ bit	7	6	5	4	3	2	1	0
0	Modestatus0							
1	Modestatus1							
2	ChangedMask0							
3	ChangedMask1							
4-15	Reserved							

Returns

Modestatus0 [8-bit]

- Bit 0 : Performace mode = 1 / Endurance mode = 0
- Bit 1~7 : Reseved

Modestatus1 [8-bit]

Reserved

ChangedMask0 [8-bit]

the changed bit mask of mode status 0

ChangedMask1 [8-bit]

the changed bit mask of mode status 1

ChangeLog

- Version 1: Added the interfaces for software to operate the mode change.
- Version 0: Initial version