Flexible parameters interface (Host – Embedded)

* CMD\_FLEXIBLE\_PARAMETERS **opcode** is 0x59.
* typedef struct FlexibleParameter {

short ParamID; //the parameter ID

short ParamType; //int, float, string...

int size;//1..\*

void \* val;//the parameter's value

} **FlexibleParameter** ;

* typedef struct FlexibleParametersTag {

int NumofFlexibleParams; //num of flexible parameters

FlexibleParameter \*FlexibleParamsArr;

} **FlexibleParametersType**;

* **ParamID**:

typedef enum {

NUM\_OF\_UV\_ON,DELAY\_BETWEEN\_LAYERS,NUM\_OF\_FLEXIBLE\_PARAMETERS} TFlexibleParametersEN;

* **ParamType**:

typedef enum {,INT,SHORT,FLOAT,CHAR,STRING…} **TFlexibleParametersEN**;

* **val –** default size is 1 (**size** field determines its size).
* **NumofFlexibleParams** determines the size of **FlexibleParamsArr**.
* If message is not sent from Host to EM, the embedded will be using its internal parameters’ default values.
* If parameter’s value (val) is -1 (in the sent message), the embedded will be using its internal parameter’s default value.