4.2.5   MCAPI_ENDPOINT_GET_ATTRIBUTE

NAME

mcapi_endpoint_get_attribute– Get endpoint attributes.

SYNOPSIS

```
#include <mcapi.h>

void mcapi_endpoint_get_attribute(
    MCAPI_IN mcapi_endpoint_t endpoint,
    MCAPI_IN mcapi_uint_t attribute_num,
    MCAPI_OUT void* attribute,
    MCAPI_IN size_t attribute_size,
    MCAPI_OUT mcapi_status_t* mcapi_status
);
```

DESCRIPTION

mcapi_endpoint_get_attribute() allows the programmer to query endpoint attributes on both node local en remote endpoints. This is a blocking function. attribute_num indicates which one of the endpoint attributes is being referenced. attribute points to a structure or scalar to be filled with the value of the attribute specified by attribute_num. attribute size is the size in bytes of the memory pointed to by "attribute". See Section 3.2 and header files for a description of attributes

It is an error to attempt a connection between endpoints whose attributes are set in an incompatible way (whether attributes are compatible or not is implementation defined). It is also an error to attempt to change the attributes of endpoints that are connected.

RETURN VALUE

On success, *attribute is filled with the requested attribute and *mcapi_status is set to MCAPI_SUCCESS. On error, *mcapi_status is set to an error code and *attribute is not modified.

ATTRIBUTES

mcapi_endp_attr_max_payload_size_t

This attribute defines the maximum payload size. This is a channel compatibility attribute, meaning that a channel connection requires that this attribute value is the same for both channel endpoints. Default value is implementation defined.

mcapi_endp_attr_buffer_type_t

This attribute defines the endpoint buffer type, at the present only FIFO type exists. It means that the order of transmission is FIFO for channels and FIFO per priority level for messages.This is a channel compatibility attribute, meaning that a channel connection requires that this attribute value is the same for both channel endpoints. Default value is implementation defined.
Buffer types: MCAPI_ENDP_ATTR_FIFO_BUFFER   Default

mcapi_endp_attr_memory_type_t