

### 4.5.10 MCAPI\_ SCLCHAN\_RECV\_UINT16

**NAME**

mcapi\_sclchan\_recv\_uint16 – receives a 16-bit scalar on a (connected) channel.

**SYNOPSIS**

```
#include <mcapi.h>

mcapi_uint16_t mcapi_sclchan_recv_uint16(
    MCAPI_IN mcapi_sclchan_recv_hdl_t receive_handle,
    MCAPI_OUT mcapi_status_t* mcapi_status
);
```

**DESCRIPTION**

Receives a scalar on a connected channel. It is a blocking function, and returns when a scalar is available. receive\_handle is the receive endpoint identifier.

**RETURN VALUE**

On success, a value of type uint16\_t is returned and \*mcapi\_status is set to MCAPI\_SUCCESS. On error, the return value is undefined and \*mcapi\_status is set to the appropriate error defined below. Optionally, implementations may choose to always set \*mcapi\_status to MCAPI\_SUCCESS for performance reasons.

**ERRORS**

MCAPI_ERR_NODE_NOTINIT	The node is not initialized.
MCAPI_ERR_CHAN_INVALID	Argument is not a channel handle.
MCAPI_ERR_GENERAL	Implementation specific error not covered by other status codes. Specifics must be documented.

**NOTE**

The receive scalar size must match the send size.