

HAL Team - Source code documentation - Ethernet

1.02

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Chapter 1

File Index

1.1 File List

Here is a list of all documented files with brief descriptions:

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Ethernet communication module	3

Chapter 2

File Documentation

2.1 network_simulation_tests/ethernet_module.c File Reference

Ethernet communication module.

Macros

- `#define EMAC_RX_BUFFERS 16`
- `#define EMAC_TX_BUFFERS 8`
- `#define MAC_PHY_RETRY_MAX 1000000`
- `#define ETHERNET_CONF_ETHADDR0 0x00`
- `#define ETHERNET_CONF_ETHADDR0 0x00`
- `#define ETHERNET_CONF_ETHADDR1 0x04`
- `#define ETHERNET_CONF_ETHADDR2 0x25`
- `#define ETHERNET_CONF_ETHADDR3 0x1C`
- `#define ETHERNET_CONF_ETHADDR4 0xA0`
- `#define ETHERNET_CONF_ETHADDR5 0x02`
- `#define ETHERNET_CONF_IPADDR0 192`
- `#define ETHERNET_CONF_IPADDR1 168`
- `#define ETHERNET_CONF_IPADDR2 0`
- `#define ETHERNET_CONF_IPADDR3 2`
- `#define ETHERNET_CONF_GATEWAY_ADDR0 192`
- `#define ETHERNET_CONF_GATEWAY_ADDR1 168`
- `#define ETHERNET_CONF_GATEWAY_ADDR2 0`
- `#define ETHERNET_CONF_GATEWAY_ADDR3 1`
- `#define ETHERNET_CONF_NET_MASK0 255`
- `#define ETHERNET_CONF_NET_MASK1 255`
- `#define ETHERNET_CONF_NET_MASK2 255`
- `#define ETHERNET_CONF_NET_MASK3 0`
- `#define ETH_PHY_MODE BOARD_EMAC_MODE_RMII`
- `#define EMAC_RX_BUFFERS 16`
- `#define EMAC_TX_BUFFERS 8`
- `#define MAC_PHY_RETRY_MAX 1000000`
- `#define ETHERNET_CONF_ETHADDR0 0x00`
- `#define ETHERNET_CONF_ETHADDR1 0x04`
- `#define ETHERNET_CONF_ETHADDR2 0x25`
- `#define ETHERNET_CONF_ETHADDR3 0x1C`

- `#define ETHERNET_CONF_ETHADDR4 0xA0`
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- `#define ETHERNET_CONF_NET_MASK2 255`
- `#define ETHERNET_CONF_NET_MASK3 0`
- `#define ETH_PHY_MODE BOARD_EMAC_MODE_RMII`

Variables

- `uint32_t ul_frm_size`

2.1.1 Detailed Description

Ethernet communication module.

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