

driver.py

AUTHORS

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DATES

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INFORMATION

Brief

Bus Driver for Analog Devices uP

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upMaster

upBase

upMaster

Drive slave devices over the uP bus

FUNCTIONS

init

```
def __init__(
    self,
    entity,
    name,
    clock,
    resetn,

    args,
    kwargs
)
```

Setup defaults and call base class constructor.

read

```
async def read(
    self,
    address
)
```

Read from a address and return data

write

```
async def write(
    self,
    address,
    data
)
```

Write to a address some data

_check_type

```
def _check_type(
    self,
    trans
)
```

Check and make sure we are only sending 2 bytes at a time and that it is a bytes/bytearray

_run_write

```
async def _run_write(
    self
)
```

method for write thread

_run_read

```
async def _run_read(  
    self  
)
```

method for read thread

upEchoSlave

upBase

upEchoSlave

Respond to master reads and write by returning data, simple echo core.

FUNCTIONS

__init__

```
def __init__(  
    self,  
    entity,  
    name,  
    clock,  
    resetn,  
    numreg  
    =  
    256,  
    args,  
    kwargs  
)
```

Setup defaults and call base class constructor.

__check_type

```
def __check_type(  
    self,  
    trans  
)
```

Check and make sure we are only sending a type of uptrans.

__run_write

```
async def _run_write(  
    self  
)
```

method for write thread

_run_read

```
async def _run_read(  
    self  
)
```

method for read thread