

qbox-extra

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Chapter 1

Main Page

Chapter 2

Hierarchical Index

2.1 Class Hierarchy

This inheritance list is sorted roughly, but not completely, alphabetically:

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Chapter 3

Class Index

3.1 Class List

Here are the classes, structs, unions and interfaces with brief descriptions:

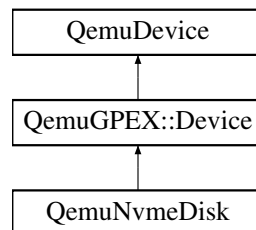
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Chapter 4

Class Documentation

4.1 QemuGPEX::Device Class Reference

Inheritance diagram for QemuGPEX::Device:



Public Member Functions

- **Device** (const sc_core::sc_module_name &name, QemuInstance &inst, const char *qom_type)
- void **end_of_elaboration** () override

Protected Member Functions

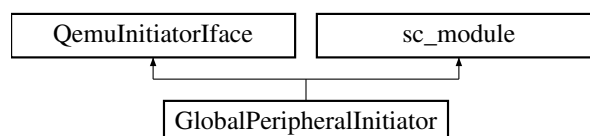
- virtual void **gpex_realize** (qemu::Bus &pcie_bus)

The documentation for this class was generated from the following file:

- /home/thomas/Documents/GreenSocs/build-lib/extra-components/include/libqbox-extra/components/pci/gpex.h↔

4.2 GlobalPeripheralInitiator Class Reference

Inheritance diagram for GlobalPeripheralInitiator:



Public Types

- using **TlmPayload** = tlm::tlm_generic_payload

Public Member Functions

- virtual void **initiator_customize_tlm_payload** (TlmPayload &payload) override
- virtual void **initiator_tidy_tlm_payload** (TlmPayload &payload) override
- virtual sc_core::sc_time **initiator_get_local_time** () override
- virtual void **initiator_set_local_time** (const sc_core::sc_time &) override
- **GlobalPeripheralInitiator** (const sc_core::sc_module_name &nm, QemuInstance &inst, QemuDevice &owner)
- virtual void **before_end_of_elaboration** () override

Public Attributes

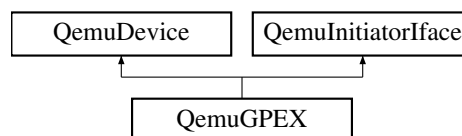
- QemuInitiatorSocket **m_initiator**

The documentation for this class was generated from the following file:

- /home/thomas/Documents/GreenSocs/build-lib/extra-components/include/libqbox-extra/components/meta/global_peripheral_initiator.h

4.3 QemuGPEX Class Reference

Inheritance diagram for QemuGPEX:



Classes

- class [Device](#)

Public Member Functions

- **QemuGPEX** (const sc_core::sc_module_name &name, QemuInstance &inst, uint64_t mmio_addr, uint64_t mmio_size, uint64_t mmio_high_addr, uint64_t mmio_high_size)
- void **add_device** ([Device](#) &dev)
- void **before_end_of_elaboration** () override
- void **end_of_elaboration** () override
- virtual sc_core::sc_time **initiator_get_local_time** () override
- virtual void **initiator_set_local_time** (const sc_core::sc_time &t) override
- virtual void **initiator_customize_tlm_payload** (TlmPayload &payload) override
- virtual void **initiator_tidy_tlm_payload** (TlmPayload &payload) override

Public Attributes

- QemuInitiatorSocket **bus_master**
- QemuTargetSocket **ecam_iface**
- QemuTargetSocket **mmio_iface**
- QemuTargetSocket **mmio_iface_high**
- QemuTargetSocket **pio_iface**
- `sc_core::sc_vector< QemuInitiatorSignalSocket >` **irq_out**
- `int` **irq_num** [4]

Protected Attributes

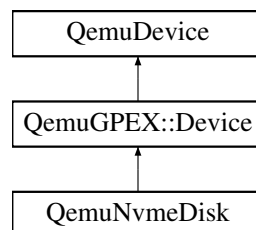
- `uint64_t` **m_mmio_addr**
- `uint64_t` **m_mmio_size**
- `uint64_t` **m_mmio_high_addr**
- `uint64_t` **m_mmio_high_size**
- `qemu::MemoryRegion` **m_mmio_alias**
- `qemu::MemoryRegion` **m_mmio_high_alias**
- `std::vector< Device * >` **devices**

The documentation for this class was generated from the following file:

- [/home/thomas/Documents/GreenSocs/build-lib/extra-components/include/libqbox-extra/components/pci/gpex.h](#) ↩

4.4 QemuNvmeDisk Class Reference

Inheritance diagram for QemuNvmeDisk:



Public Member Functions

- **QemuNvmeDisk** (`const sc_core::sc_module_name &name`, `QemuInstance &inst`)
- `void` **before_end_of_elaboration** () override
- `void` **gpex_realize** (`qemu::Bus &bus`) override

Protected Attributes

- `cci::cci_param< std::string >` **p_serial**
- `cci::cci_param< std::string >` **p_blob_file**
- `std::string` **m_drive_id**

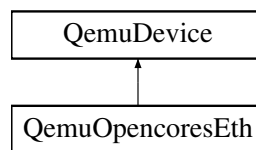
Additional Inherited Members

The documentation for this class was generated from the following file:

- `/home/thomas/Documents/GreenSocs/build-lib/extra-components/include/libqbox-extra/components/pci/nvme.h`

4.5 QemuOpencoresEth Class Reference

Inheritance diagram for QemuOpencoresEth:



Public Member Functions

- **QemuOpencoresEth** (const sc_core::sc_module_name &n, QemuInstance &inst)
- void **before_end_of_elaboration** () override
- void **end_of_elaboration** () override

Public Attributes

- QemuTargetSocket **regs_socket**
- QemuTargetSocket **desc_socket**
- QemuInitiatorSignalSocket **irq_out**

Protected Attributes

- cci::cci_param< std::string > **p_mac**
- std::string **m_netdev_id**
- cci::cci_param< std::string > **p_netdev_str**

The documentation for this class was generated from the following file:

- `/home/thomas/Documents/GreenSocs/build-lib/extra-components/include/libqbox-extra/components/net/opencores_eth.h`

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