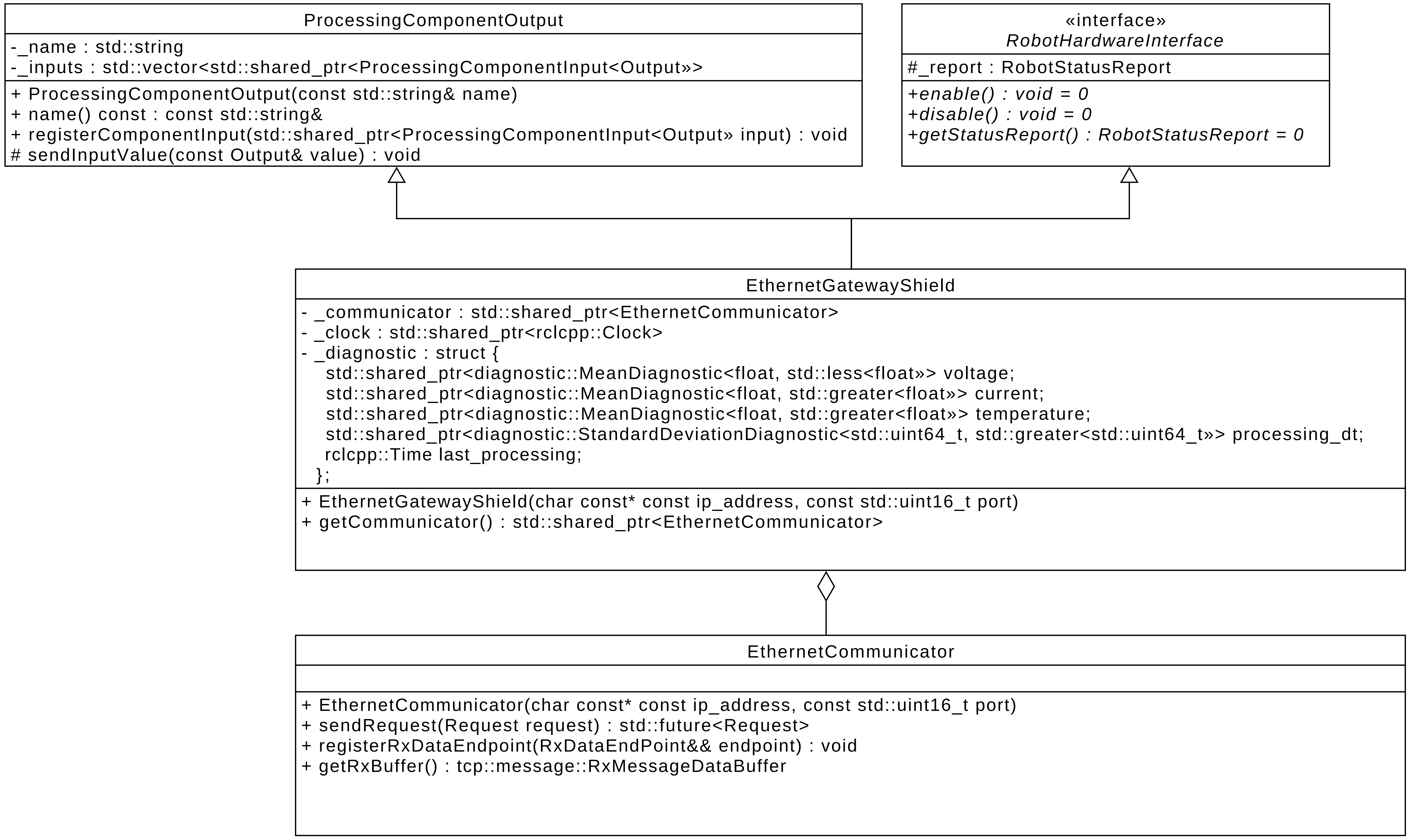

```
ProcessingComponentOutput
-_name : std::string
-_inputs : std::vector<std::shared_ptr<ProcessingComponentInput<Output»>
+ ProcessingComponentOutput(const std::string& name)
+ name() const : const std::string&
+ registerComponentInput(std::shared_ptr<ProcessingComponentInput<Output» input) : void
# sendInputValue(const Output& value) : void
```

```
«interface»
RobotHardwareInterface
#_report : RobotStatusReport
+enable() : void = 0
+disable() : void = 0
+getStatusReport() : RobotStatusReport = 0
```

```
EthernetGatewayShield
- _communicator : std::shared_ptr<EthernetCommunicator>
- _clock : std::shared_ptr<rclcpp::Clock>
- _diagnostic : struct {
    std::shared_ptr<diagnostic::MeanDiagnostic<float, std::less<float»> voltage;
    std::shared_ptr<diagnostic::MeanDiagnostic<float, std::greater<float»> current;
    std::shared_ptr<diagnostic::MeanDiagnostic<float, std::greater<float»> temperature;
    std::shared_ptr<diagnostic::StandardDeviationDiagnostic<std::uint64_t, std::greater<std::uint64_t»> processing_dt;
    rclcpp::Time last_processing;
  };
+ EthernetGatewayShield(char const* const ip_address, const std::uint16_t port)
+ getCommunicator() : std::shared_ptr<EthernetCommunicator>
```

```
EthernetCommunicator

+ EthernetCommunicator(char const* const ip_address, const std::uint16_t port)
+ sendRequest(Request request) : std::future<Request>
+ registerRxDataEndpoint(RxDataEndPoint&& endpoint) : void
+ getRxBuffer() : tcp::message::RxMessageDataBuffer
```