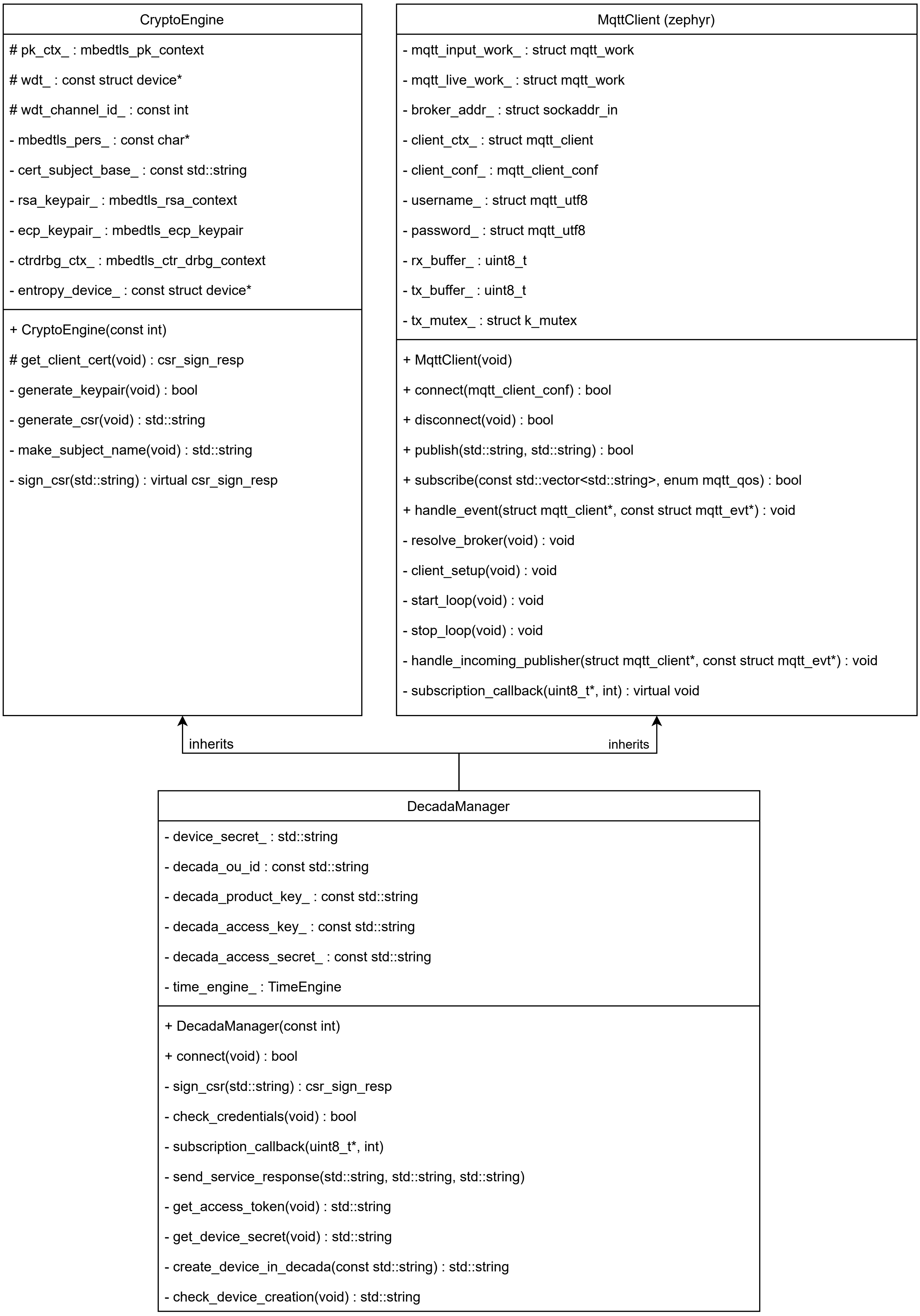
CryptoEngine
# pk_ctx_ : mbedtls_pk_context
# wdt_ : const struct device*
# wdt_channel_id_ : const int
- mbedtls_pers_ : const char*
- cert_subject_base_ : const std::string
- rsa_keypair_ : mbedtls_rsa_context
- ecp_keypair_ : mbedtls_ecp_keypair
- ctrdrbg_ctx_ : mbedtls_ctr_drbg_context
- entropy_device_ : const struct device*
+ CryptoEngine(const int)
# get_client_cert(void) : csr_sign_resp
- generate_keypair(void) : bool
- generate_csr(void) : std::string
- make_subject_name(void) : std::string
- sign_csr(std::string) : virtual csr_sign_resp
MqttClient (zephyr)
- mqtt_input_work_ : struct mqtt_work
- mqtt_live_work_ : struct mqtt_work
- broker_addr_ : struct sockaddr_in
- client_ctx_ : struct mqtt_client
- client_conf_ : mqtt_client_conf
- username_ : struct mqtt_utf8
- password_ : struct mqtt_utf8
- rx_buffer_ : uint8_t
- tx_buffer_ : uint8_t
- tx_mutex_ : struct k_mutex
+ MqttClient(void)
+ connect(mqtt_client_conf) : bool
+ disconnect(void) : bool
+ publish(std::string, std::string) : bool
+ subscribe(const std::vector<std::string>, enum mqtt_qos) : bool
+ handle_event(struct mqtt_client*, const struct mqtt_evt*) : void
- resolve_broker(void) : void
- client_setup(void) : void
- start_loop(void) : void
- stop_loop(void) : void
- handle_incoming_publisher(struct mqtt_client*, const struct mqtt_evt*) : void
- subscription_callback(uint8_t*, int) : virtual void
inherits
inherits
DecadaManager
- device_secret_ : std::string
- decada_ou_id : const std::string
- decada_product_key_ : const std::string
- decada_access_key_ : const std::string
- decada_access_secret_ : const std::string
- time_engine_ : TimeEngine
+ DecadaManager(const int)
+ connect(void) : bool
- sign_csr(std::string) : csr_sign_resp
- check_credentials(void) : bool
- subscription_callback(uint8_t*, int)
- send_service_response(std::string, std::string, std::string)
- get_access_token(void) : std::string
- get_device_secret(void) : std::string
- create_device_in_decada(const std::string) : std::string
- check_device_creation(void) : std::string