

cryptoauth library
API to check
device init



secure_check_device_type_in_cfg

secure_atcab_init(): NSC calls
actual function atcab_init()

ATCA_SUCCESS !=
function return value

slot write()

secure_receive_data() : receives
Random Number transmitted by host

check if RN is received and generate client MAC
secure_generate_device_mac()

secure_transmit_data() - transmit
generated MAC and RN to host for
authentication

secure_ack_state() - check for
Authorization ACK from host

Transmit sensor data from client to host upon
receiving ACK from host
secure_transmit_data()

Device check
and
Secure transmission of data

3