Client (Linux) e.g. SaftLib
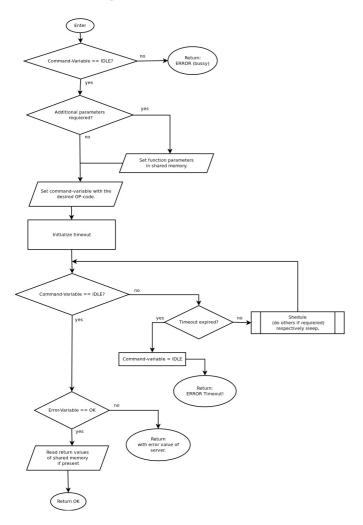
Enter

Command-Variable == IDLE?

no → Return: ERROR (bussy)

yes

Additional parameters requiered?

yes → Set function parameters in shared memory.

no

Set command-variable with the desired OP-code.

Initialize timeout

Command-Variable == IDLE?

no → Timeout expired?

yes → Command-variable = IDLE

no → Shedule (do others if requiered) respectively sleep.

Return: ERROR Timeout!

yes

Error-Variable == OK

no → Return with error value of server.

yes

Read return values of shared memory if present

Return OK

Server (LM32)

Enter

Command-Variable == IDLE?

yes → Return OK (nothing to do)

no

Op-Code of command-variable known?

no → Error-variable = UNKNOWN_COMMAND

yes

Additional parameter(s)?

yes → Read parameters from shared memory.

no

Execute apporpriate command e.g. C-function via v-tab or switch-case.

Error-variable = return-value of executed command.

Was executed command successful?

no →

yes

Additional value(s) for client present?

yes → Copy additional values in schared memory

no

Command-variable = IDLE

Return.