EEPROM

Full test and report generation
python3 iotbase_eeprom_report.py --chip 24c08 --base 0x54 --bus 1 --verbose
Test result = 20250930_114245

Retention-only verification after a power cycle (no writes)
python3 iotbase_eeprom_report.py --chip 24c08 --base 0x54 --bus 1 --verify
reports/<timestamp>_midblock.bin
Test result = 20250930_114403

WatchDog

Non-destructive testing
python3 iotbase_watchdog_report.py --mode feed-only --timeout 5 --run-seconds 180
--period 0.5
Test result = 20250930_115547_wdt

#Real test with reboot
python3 iotbase_watchdog_report.py --mode trigger-reboot --timeout 5 --run-seconds 10
--period 0.5
Test result = 20250930_115752_wdt_pretrigger

#after the previous restart
python3 iotbase_watchdog_report.py --mode post-check

Test result = 20250930_115930_wdt_postcheck

Digital I/O

#Bidireccional 0 - 1
python3 iotbase_gpio_pair_report.py AP0 AP1 --bidir
Test result = 20250930_133754_gpio_pair

#Bidireccional 2 - 3
python3 iotbase_gpio_pair_report.py AP2 AP3 --bidir
Test result = 20250930_134920_gpio_pair

#Bidireccional 4 - 5
python3 iotbase_gpio_pair_report.py AP4 AP5 --bidir
Test result = 20250930_134728_gpio_pair

#Bidireccional 6 - 7
python3 iotbase_gpio_pair_report.py AP6 AP7 --bidir
Test result = 20250930_135051_gpio_pair

#HOST-P12 test
python3 hostp12_io.py
Test result = 20250930_163051_hostp12_inputs