Serial Debug & Test Commands

for the CY3210-ExpressDK

ARD

Description: Read data over the I2C bus from device and covert to ASCII.

Usage: `ARD Addr Cnt`

`Addr` Address of device

`Cnt` Byte count to read

Output: ASCII string.

CIRD

Description: Continuously read data over the I2C bus and convert every two bytes to integer values for display. Two bytes are read for every integer requested. The sub-address must have already been set by the WR operation.

Usage: `CIRD Addr [Cnt]`

`Addr` Address of device

`Cnt` Byte count to read (optional, default is one integer)

Output: Four character ASCII string for each integer read separated by a space.

CRD

Description: Continuously read data bytes form the device over the I2C bus. The sub-address must have already been set by the WR operation.

Usage: `RD Addr Cnt`

`Addr` Address of device

`Cnt` Byte count to read

Output: Two character ASCII string for each byte read separated by a space.

HELP

Description: List the available commands.

Usage: `HELP`

Output: List of commands.

Web: www.cypress.com
Support: www.cypress.com/support/
US: 800.669.0557
Intl: 425.787.4814

RD

Description: Read data from the device over the I2C bus. The sub-address must have already been set by the WR operation.

Usage: `RD Addr Cnt`

`Addr` Address of device to read from

`Cnt` Data byte count to read

Output: Two character ASCII string for each byte read separated by a space.

SCAN

Description: Scan I2C bus for devices. If no parameters are given, all addresses from 0x01 to 0x7F will be scanned.

Usage: `SCAN [Start_Addr] [End_Addr]`

`Start_Addr` Start scanning bus at this address

`End_Addr` Stop scanning bus at this address

Output: Displays the hex address for each device found bus.

SLOT

Description: Read slot parameters (temperature, voltage, PWM output). Also, set the PWM setting if the optional PWM_Setting parameter is set.

Usage: `SLOT Addr [PWM_Setting]`

`Addr` Device I2C address

`PWM_Setting` PWM duty cycle (range 0 to 100)

Output: Temperature, mVolts, PWM_Setting.

Example: ì25C, 1565mV, 50%î

WR

Description: Write data to device over the I2C bus. Can also be used to set the R/W pointer for a read operation. If only the ìsub-addressî is given, only the R/W pointer is changed.

Usage: `WR Addr sub-addr[data1] ... [dataN]`

`Addr` Write data to this device address

`sub-address` Set sub-address pointer to this value

`dataX` Data bytes to be written