

This document describes the command sets used on the PoE Relay and PoE GPIO modules.

Sl. NO.	COMMAND	DESCRIPTION
01.	ver.cgi	This command provides the current firmware version.
02.	idread.cgi	This command provides the Device ID.
03.	id.cgi?devid=<device id> Egs: id.cgi?devid=00000001	This command enables the user to enter a new Device ID. Device ID must be 8 in length.
04.	usrread.cgi	This command provides the username.
05.	passread.cgi	This command provides the password.
06.	settings.cgi?cred=<username><space><password> Egs: settings.cgi?cred=numato numato	This command enables the user to set a new Device Username and Password. Enter the username and password accordingly.
07.	ipread.cgi	This command provides the current IP address of the device.
08.	macread.cgi	This command provides the Device's MAC address.
09.	hostread.cgi	This command provides the Device Host name.
10.	⁽³⁾ relays.cgi?relayon=xxx Egs: relays.cgi?relayon=000	This command Turns on relay 'xxx', xxx varies from 000 – 031 depending on the board configuration.
11.	⁽³⁾ relays.cgi?relayoff=xxx Egs: relays.cgi?relayoff=001	This command Turns off relay 'xxx', xxx varies from 000 – 031 depending on the board configuration.
12.	⁽³⁾ relays.cgi?relayread=xxx Egs: relays.cgi?relayread=004	This command reads the state of relay 'xxx', xxx varies

		from 000 – 031 depending on the board configuration.
13.	⁽³⁾ relaywriteall.cgi?relaywriteall=<value> Egs: relaywriteall.cgi?relaywriteall=3f	This command set/clear multiple relay states. Note: value is in hexadecimal from 0 to ffffffff depending on the number of relays onboard.
14.	⁽³⁾ relayreadall.cgi	This command reads the state of all relays on board.
15.	⁽¹⁾ gpios.cgi?gpioset=xxx Egs: gpios.cgi?gpioset=000	This command sets gpio 'xxx'. xxx varies from 000 – 031 depending on the board configuration.
16.	⁽¹⁾ gpios.cgi?gpioclear=xxx Egs: gpios.cgi?gpioclear=001	This command clears gpio 'xxx'. xxx varies from 000 – 031 depending on the board configuration.
17.	gpioread.cgi?gpio=xxx Egs: gpioread.cgi?gpio=005	This command reads gpio 'xxx'. xxx varies from 000 – 031 depending on the board configuration.
18.	gpiowriteall.cgi?gpiowriteall=<value> Egs: gpiowriteall.cgi?gpiowriteall=ffff	This command set/clear multiple gpios. Note: value is in hexadecimal from 0 to ffffffff depending on the number of GPIOs onboard.
19.	⁽⁵⁾ gpioreadall.cgi	This command reads the status of all gpio.
20.	⁽²⁾⁽⁶⁾ iomask.cgi?iomask=<value> Egs: iomask.cgi?iomask=ff	This command masks the GPIOs in GPIO modules. Note: value is in hexadecimal from 0 to ffffffff depending on the number of GPIOs onboard. 0 in bit position – mask & 1 in bit position – unmask

21.	⁽²⁾⁽⁶⁾ iodir.cgi?iodir=<value> Egs: iodir.cgi?iodir=ffff	This command sets the Input/output direction. Note: value is in hexadecimal from 0 to ffffffff depending on the number of GPIOs onboard. 0 in bit position – Output & 1 in bit position – Input.
22.	⁽¹⁾⁽⁴⁾ adcread.cgi?adc=x Egs: adcread.cgi?adc=0	This command reads adc value at pin xxx. xxx varies from 000 – 013 depending on the board configuration and only if Analog inputs are available onboard.
23.	⁽³⁾ reset.cgi	This command resets all the relays to off-state.
24.	modulereboot.cgi	This command reboots the module to configuration mode.
25.	info.cgi	This command provides the info data of the module.
26.	modulename.cgi	This command provides the module name.

Note:

1. "relayon, relayoff, relayreadall, relaywriteall, reset" commands are only present on PoE Relay modules.
2. "gpiowriteall, gpioreadall" commands are present only on PoE GPIO modules
3. Prefex IP Address before all commands. Egs: 192.168.1.1/ver.cgi.