

Commands

Ports configuration commands

In terms of ports configuration it is possible to change parameters like: service, baud rate, data bits, parity, stop bits and so on. UART commands are provided below.

- **uart**

- **uart help**

- Print the help message.

- **uart list**

- List available uarts in the system.

Example:

uart list

0: baud: 9600 bits: 8 stop_bits: 1 parity: none (service console)

1: baud: 115200 bits: 8 stop_bits: 2 parity: odd (covered by cons.)

2: baud: 9600 bits: 8 stop_bits: 1 parity: none

3: baud: 1200 bits: 8 stop_bits: 2 parity: even termination: ON (R-COM)

3: baud: 38400 bits: 8 stop_bits: 2 parity: none termination: OFF

- **uart PORT_NUMBER baud BAUD**

- Set PORT_NUMBER baudrate to BAUD. BAUD value can be one of the following:
2400, 4800, 9600, 14400, 19200, 38400, 57600, 115200.

Example:

uart 1 baud 9600

WARNING: UART covered by console. Changes will take place after the reset.

- **uart PORT_NUMBER bits BITS**

- Set bit length to BITS. BITS value can be one only 8.

Example:

uart 2 bits 8

- **uart PORT_NUMBER stop_bits STOP_BITS**

- Set stop_bits length to STOP_BITS. STOP_BITS value can be only 1 or 2.

Example:

uart 2 stop_bits 1

- **uart PORT_NUMBER parity PARITY**

Set uart parity to PARITY. PARITY value can be one of the following: none, odd, even.

Example:

uart 3 parity even

- **uart PORT_NUMBER termination STATE**

Set uart termination to new STATE. STATE can be only ON or OFF.

Example:

uart 3 termination ON

- **uart_service**

- **uart_service help**

Print the help message.

- **uart_service list**

List of uarts services status.

Example:

uart_service list

1 state: ON service: Remote COM port: 1504 enc: YES

2 state: OFF service: TCP Socket port: 1510

3 state: OFF service: UDP Socket port: 1510

- **uart_service UART_NUMBER state STATE**

Set UART_NUMBER state to STATE. STATE value can be only ON or OFF.

Example:

uart_service 1 state ON

- **uart_service UART_NUMBER service SERVICE**

Set UART_NUMBER service to SERVICE. SERVICE value can be one of the following: Remote COM, TCP Socket, UDP Socket.

Example:

uart_service 1 service TCP Socket

- **uart_service UART_NUMBER port PORT_NUMBER**

Set UART_NUMBER port to PORT_NUMBER. PORT_NUMBER value can be any in the range: 1-65535.

Example:

```
uart_service 1 port 1501
```

- **uart_service UART_NUMBER enc ENC_STATE**

Set UART_NUMBER encryption to ENC_STATE. ENC_STATE can be only YES or NO.

Example:

```
uart_service 1 enc YES
```

If ENC_STATE is YES then it will ask for a new password for encryption.

Network settings

The following commands might be helpful to change network settings according to target LAN parameters.

- **ipconfig**

- **ipconfig addr ADDRESS**

Set IP address to ADDRESS.

Example:

```
ipconfig addr 192.168.0.10
```

- **ipconfig mask NETMASK**

Set subnet mask to NETMASK (in dot-decimal format).

Example:

```
ipconfig mask 255.255.255.0
```

- **ipconfig mask BIT_COUNT**

Set subnet mask to BIT_COUNT bits.

Example:

```
ipconfig mask 24
```

- **ipconfig gateway GATEWAY_IP**

Set network gateway to GATEWAY_IP.

Example:

```
ipconfig gateway 192.168.0.1
```

- **ipconfig dhcp enable/disable**

Enable or disable DHCP client.

Example:

```
ipconfig dhcp enable
```

- **ipconfig dns1 ADDRESS**

Set primary DNS to ADDRESS, disable getting DNS from DHCP if enabled.

Example:

```
ipconfig dns1 192.168.100.1
```

- **ipconfig dns2 ADDRESS**

Set secondary DNS to ADDRESS, disable getting DNS from DHCP if enabled.

Example:

```
ipconfig dns2 1.1.1.1
```

- **eth_mac**

- **eth_mac help**

Print the help message.

- **eth_mac default**

Set device's MAC address to factory-default one.

- **eth_mac set MAC_ADDR**

Set device's MAC address to MAC_ADDR. Accepts both dash and colon-separated formats.

Example:

```
eth_mac set 01-02-03-04-05-06
```

Example:

```
eth_mac set 01:02:03:04:05:06
```

- **http_port**

- **http_port help**

Print the help message.

- **http_port PORT_NUMBER**

Set http port to PORT_NUMBER. A PORT_NUMBER value must be in range: 1-65535.

Example:

http_port 80

- **http_port status**

Print current http port.

Example:

http_port status

A current http port is 80

- **telnet_port**

- **telnet_port help**

Print the help message.

- **telnet_port PORT_NUMBER**

Set Telnet port to PORT_NUMBER. A PORT_NUMBER value must be in range: 1-65535.

Example:

telnet_port 23

- **telnet_port status**

Print current Telnet port.

Example:

telnet_port status

A current telnet port is 23

Changing username or password

To change username or password, use user command. Available commands:

- **user help**

Print the help message.

- **user mod_name USER_NAME NEW_NAME**

Change the user name to NEW_NAME. It fails if the name is used by another user.

Example:

user mod_name admin john

- **user passwd USER_NAME**

Change USER_NAME's password.

Example:

user passwd admin

***** <- here is entered password, but '*' appears instead

Note: Everyone can change the password for themselves.

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