TAP200 Administration

The information in this page is updated in accordance with firmware version **TAP200_R_00.07.07.1**.

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Contents

Summary

This page is an overview of the **Administration** section of TAP200 devices.

General

The **General** section is used to set up some of device managerial parameters, such as changing device name. For more information on the General section, refer to figure and table below. ☒

Field	Value	Description

Device name and hostname		
Device name	string; default: **TAP200**	Device model name.
Hostname	string; default: **Teltonika-TAP200.com**	Device hostname. This can be used for communication with other LAN hosts.
LED Indication		
Enable	off | on; default: **on**	Manages signal strength, LAN and connection status indication LEDs.
Reset Button Configuration		
Min time	integer [0..60]; default: **none**	Minimum time (in seconds) the button needs to be held to perform an action.
Max time	integer [1..60]; default: **none**	Maximum time (in seconds) the button can be held to perform an action, after which no action will be performed.

Date & Time

Summary

Network Time Protocol (**NTP**) is a networking protocol for clock synchronization between computer systems over packet-switched, variable-latency data networks. This chapter is an overview of the NTP section for TAP200 devices.

General

The **Time Synchronization** section lets you select time zone and synchronize the time.

The figure below is an example of the Time Synchronization section and the table below provides information about the fields contained in that section:

Field	Value	Description
Current system time	time; default: **none**	Current local time of the device.
Sync with browser	-(interactive button)	Click to synchronize device time and time zone to browsers, if your device time or time zone is not correct.
Time zone	time zone; default: **UTC**	The device will sync time in accordance with the selected time zone.

NTP

This section is used to configure NTP client, server and time servers.

Time Synchronization

This section is used to configure the device's time settings.

Field	Value	Description
Enable NTP Client	off | on; default: **on**	Turns NTP on or off.
Save time to flash	off | on; default: **off**	Saves last synchronized time to flash memory.
Force Servers	off | on; default: **off**	Forces unreliable NTP servers.
Update interval (in seconds)	integer; default: **86400**	How often the device will update the time.
Offset frequency	integer; default: **0**	Adjusts the minor drift of the clock so that it will run more accurately.
Count of time synchronizations	integer; default: **none**	The amount of times the device will perform time synchronizations. Leave empty in order to set to infinite.

Time Servers

This section is used to specify which time servers the device will use for time synchronization. To add more time servers to the list, click the 'Add' button.

Field	Value	Description
Hostname	ip | url; default: **0.openwrt.pool.ntp.org**	NTP servers that this device uses to sync time.

User Settings

User 'admin' settings

The **User settings** section is used to change the password of the current user.

Access Control

General

The **Access Control** page is used to manage local access to device.

SSH

Field	Value	Description
Enable SSH access	off | on; default: **on**	Turns SSH access from the local network (LAN) on or off.
Port	integer [0..65535]; default: **22**	Selects which port to use for SSH access.
Enable key-based authentication	off | on; default: **off**	Use public keys for authentication.

WebUI

Field	Value	Description
Enable HTTP access	off | on; default: **on**	Turns HTTP access from the local network (LAN) to the device WebUI on or off.
Enable HTTPS access	off | on; default: **on**	Turns HTTPS access from the local network (LAN) to the device WebUI on or off.
Redirect to HTTPS	off | on; default: **off**	Redirects connection attempts from HTTP to HTTPS.
Port	integer [0..65535]; default: **80**	Selects which port to use for HTTP access.
Port	integer [0..65535]; default: **443**	Selects which port to use for HTTPS access.

CLI

Field	Value	Description
Enable CLI	off | on; default: **on**	Turns CLI access from the local network (LAN) on or off.

Port range	range of integers [0..65534]-[1..65535]; default: **4200-4220**	Selects which ports to use for CLI access.
Shell limit	integer [1..10]; default: **5**	Maximum number of active CLI connections.

Security

The **Security** tab provides the possibility to enable/disable blocking IP's service and delete blocked devices from the list.

IP Block Settings

Field	Value	Description
Enable	off | on; default: **on**	Enable or disable blocking IP's if they have reached the set amount of failed times.
Type	Timed blocking | Permanent blocking; default: **Timed blocking**	You can choose an option of a blocking type.
Fail count	integer [1..1000]; default: **10**	An amount of times IP address can try to access SSH or WebUI before being blocked.
Clean after reboot	off | on; default: **off**	If enabled, blocked loging attempts list will be cleared on device reboot.

Login Attempts

Field	Value	Description
Source	IP address	Shows the IP address from which the connection failed.
Destination	IP address	Shows yours device IP adress
Port (protocol)	Port number	Shows the port number from which the connection failed.
Status	Attempt count | Blocked	Shows the number of failed attempts to connect to device. Indicates whether the source address is blocked or not.
Reset	Check box	Allows you to select multiple IP addresses.
Actions	-(interactive button)	Allows you to select multiple IP addresses.
Unblock all	-(interactive button)	Deletes instance.
Unblock selected	-(interactive button)	Unblocks selected source adresses from the list.

Device Pairing

Field	Value	Description
Enable	off | on; default: **on**	Enable or disable device pairing.

Profiles

Summary

Configuration **profiles** provide a way to create multiple distinct device configuration sets and apply them to the device based on current user requirements. This chapter is an overview of the Profiles page in TAP200 devices.

Configuration Profiles

This section displays user defined **configuration profiles**:

To create a new profile, configure the device in accordance with your needs, go to this page, enter a custom name for the profile and click the 'Add' button. You can also choose to create a profile without any previous configurations. A new profile with the given name will appear in the "configuration profiles" list:

The 'Apply' button applies the adjacent configuration on the device.

Scheduler

The **Profile Scheduler** provides a possibility to set up a schedule of when the device should use one profile configuration or another.

Check [Profile Scheduler Instance Example](#) to get a better understanding at how Profile Scheduler Instances works.

General Configuration

The **General Configuration** section is used to enable the Scheduler itself. Created instances won't work unless this option is turned on.

Profile Scheduler Instances

The **Profile Scheduler Instances** section allows you to create profile Instances to be enabled during specific time intervals. To add a new Instance click **Add** button.

Note: new Instance can only be created if there is at least one custom profile created.

Profile Scheduler Instance Configuration

This page is used to configure profile, time and day of selected scheduler instance. Refer to the figure and table below for information on the Profile Scheduler Instance Configuration fields:

Field	Value	Description
Enable	off | on; default: **off**	Enable selected instance for scheduler.
Profile	profiles; default: **none**	Select profile which will be applied during specified time interval.
Interval Type	Weekdays | Month Days; default: **Weekdays**	Depending on your needs select whether you want to configure weekdays or specific month days.
Start Time	time; default: **12:00**	Enter time of the start of interval in which scheduler will switch profiles.
End Time	time; default: **12:00**	Enter time of the end of interval in which scheduler will switch profiles back.
Interval Type: Weekdays		
Start Day	Weekday [Monday..Sunday]; default: **Sunday**	Select a day of the start of interval in which scheduler will switch profiles.
End Day	Weekday [Monday..Sunday]; default: **Sunday**	Select a day of the end of interval in which scheduler will switch profiles back.
Interval Type: Month Days		
Start Day	Day of month [1..31]; default: **1**	Select a day of the start of interval in which scheduler will switch profiles.
End Day	Day of month [1..31]; default: **1**	Select a day of the end of interval in which scheduler will switch profiles back.
Force last day	off | on; default: **off**	Force intervals to accept last day of month as valid option if selected day doesn't exist in ongoing month.

Profile Scheduler Instance Example

Scheduler will use *profile instance* if it is enabled **and** it's time interval matches device's [date](), otherwise *default* profile will be used.

Example - we have 3 profiles in total:

- default
- Profile A
- Profile B

We create profile instances for Profiles A and B:

- Profile A: 08:00 - 11:00
- Profile B: 13:00 - 20:00

During 11:00 - 13:00 and 20:00 - 08:00 *default* profile will be used.