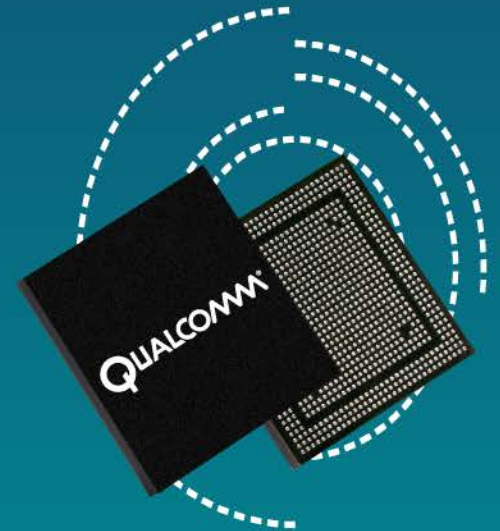


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Webserver for QCMobileAP Routers

80-NC254-87 A

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Revision History

Revision	Date	Description
A	Oct 2014	Initial release

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Contents

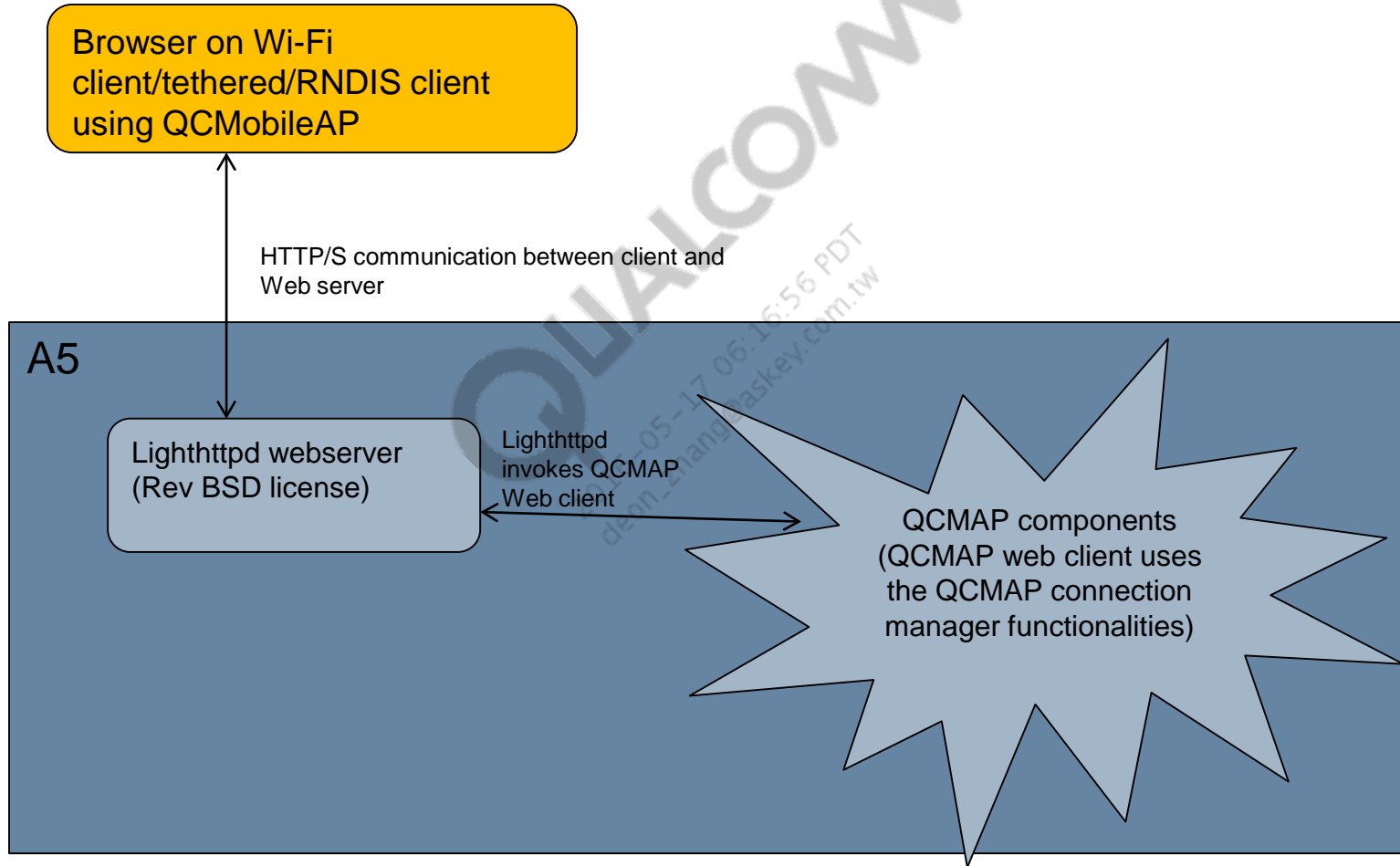
- Overview
- Architecture and Components
- Steps for Webserver

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Overview

- The webserver provides a GUI based interface for updating/adding QCMAP functionalities such as:
 - NAT
 - Firewall
 - DHCP server configuration
 - Other QCMobileAP specific APIs (WWAN, WLAN, DLNA, UPNP, and MDNS)
- Top level pages of the webserver main page:
 - QCMobileAP account/session configuration
 - WLAN and LAN configuration
 - To access the APIs related to WLAN and LAN, and to configure the same using web pages
 - NAT configuration:
 - VPN pass through (IPSEC, PPTP, and L2TP)
 - Port forwarding
 - WWAN configurations
 - Enable/disable WWAN auto-connect
 - Enable/disable roaming auto-connect
 - WWAN bring-up using configured network policy
 - WWAN bring-up/teardown independent of WLAN
 - UPnP DLNA and MDNS configuration

Architecture and Components



Steps for Webserver

1. On the device, enable QCMobileap, Activate WLAN, and connect a Wi-Fi client to SSID broadcasted (else use USB tethered/RNDIS client).
2. On the device, start “/usr/bin/QCMAP_Web_CLIENT” from adb shell to start webserver.


Note: The webserver does not start by default.


3. On the client PC, access the QCMAP webserver pages using the IP address “LAN Gateway IP ex: https://192.168.225.1”.
4. To access the webserver, the default factory setting for the user name and password is “admin”. Users will be prompted to change the default password for user admin, when logged in for the first time.
5. A welcome page with menu options to configure the QCMobileAP is displayed once logged in to the webserver.
6. Use the Menu tab on the left side of the welcome page to browse between different pages.

Sample Pages – Welcome Screen



Sample Pages – Login Screen



REDEFINING MOBILITY 

Enter username and password to login

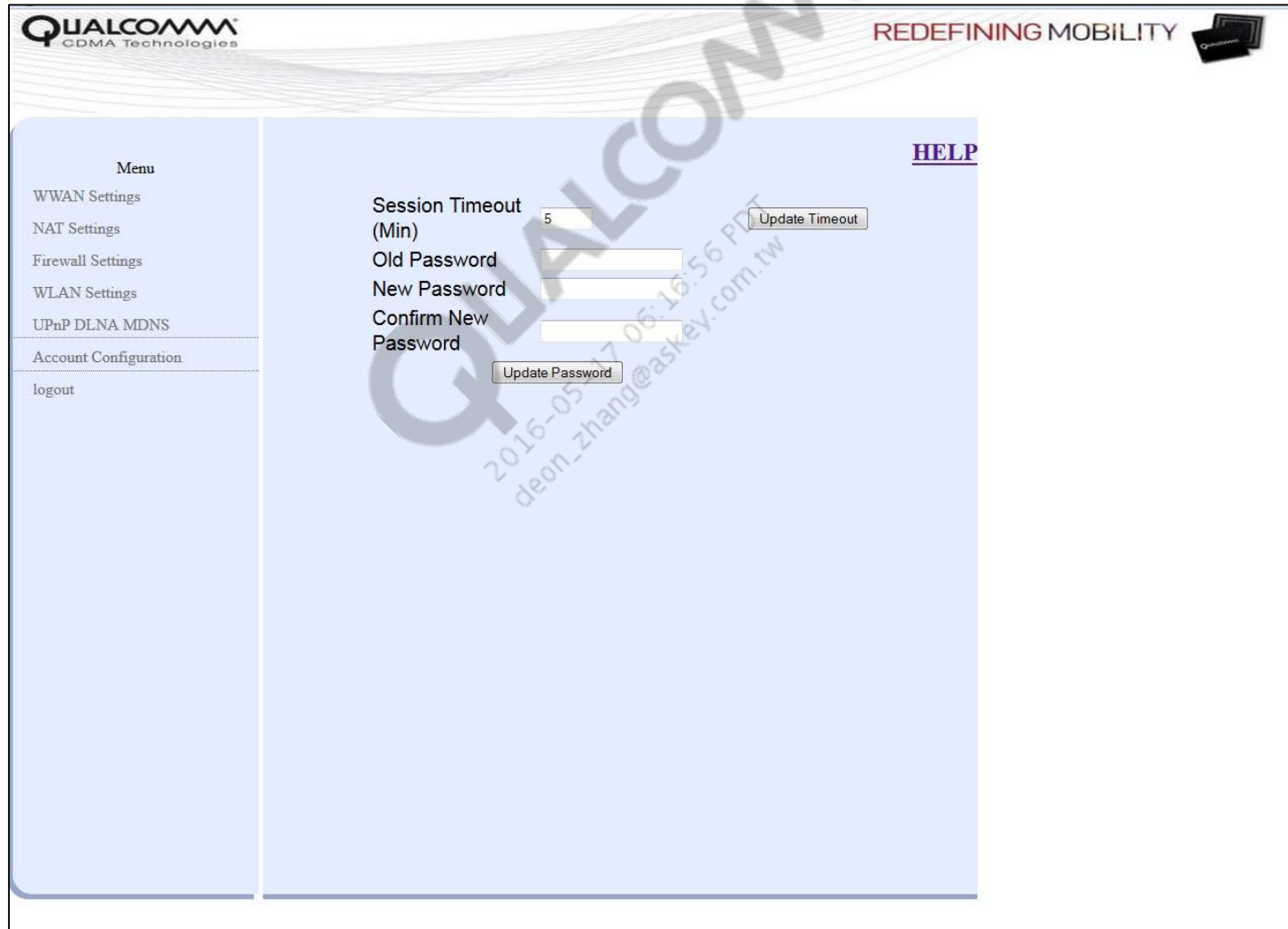
username

Password

Login

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Sample Pages – Account Setting



The image shows a web interface for Qualcomm account settings. The header features the Qualcomm logo and the slogan "REDEFINING MOBILITY" with a small icon of a mobile device. A large, diagonal watermark "QUALCOMM" is overlaid across the center. On the left, a "Menu" sidebar lists various settings: WWAN Settings, NAT Settings, Firewall Settings, WLAN Settings, UPnP DLNA MDNS, Account Configuration (which is highlighted), and logout. The main content area, titled "Account Configuration", contains fields for "Session Timeout (Min)" (set to 5), "Old Password", "New Password", and "Confirm New Password". Each field has a corresponding "Update" button: "Update Timeout" for the session timeout and "Update Password" for the password fields. A "HELP" link is located in the top right corner of the main content area. A faint timestamp and email address "2016-05-17 06:16:56 PDT deon_zhang@askey.com.tw" are visible over the watermark.

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REDEFINING MOBILITY

[HELP](#)

Menu

- WWAN Settings
- NAT Settings
- Firewall Settings
- WLAN Settings
- UPnP DLNA MDNS
- Account Configuration
- logout

Session Timeout (Min)



Old Password

New Password

Confirm New Password

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Sample Pages – NAT Setting

REDEFINING MOBILITY

Menu

WWAN Settings

NAT Settings

Firewall Settings

WLAN Settings

UPnP DLNA MDNS

Account Configuration

logout

HELP

MobileAP NAT Configuration Page

Select NAT Type

Symmetric

IPSEC VPN Pass Through

Enable

PPTP VPN Pass Through

Enable

L2TP VPN Pass Through

Enable

Webserver WWAN Access

Disable

DMZ IP

0.0.0.0

NAT entry generic Time Out

200

NAT entry ICMP Time Out

30

NAT entry TCP established Time Out

3600

NAT entry UDP Time Out

60

Port Forwarding Entries

Refresh

Add Entry

Update

Get Entries

Serial	Private IP	Private Port	Global Port	Protocol	Delete
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PAGE 11

80-NC254-87 A Oct 2014

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Sample Pages – WLAN Setting

REDEFINING MOBILITY

Menu

WWAN Settings

NAT Settings

Firewall Settings

WLAN Settings

UPnP DLNA MDNS

Account Configuration

logout

HELP

LAN Gateway IP192.168.225.1

LAN Subnet Mask255.255.255.0

LAN DHCPEnable

LAN DHCP Start IP192.168.225.20

LAN DHCP End IP192.168.225.40

LAN DHCP Lease Time43200

WLANDisable

WLAN ModeAccess Point Only

WLAN Access ProfileINTERNET ONLY

Station Mode DHCPDYNAMIC

Station IP0.0.0.0

Station Gateway IP0.0.0.0



Station Subnet Mask0.0.0.0

Station DNS IP0.0.0.0

DHCP ReservationView/Update

UpdateRefresh

Sample Pages – WWAN Setting

REDEFINING MOBILITY

Menu

[WWAN Settings](#)

[NAT Settings](#)

[Firewall Settings](#)

[WLAN Settings](#)

[UPnP DLNA MDNS](#)

[Account Configuration](#)

[logout](#)

Auto-connect

Disable

Roaming

Disable

Refresh

Update

Options

- [IPv4 Settings](#)
- [IPv6 Settings](#)

[HELP](#)

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Questions?

<https://support.cdmatech.com>

