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Q1: Main Features of E5832:

A1:

The E5832 mainly supports the following features:

- **E5832**: HSUPA/HSDPA/UMTS 2100/900MHz, EDGE/GPRS/GSM 1900/1800/900/850 MHz
- **Equalizer**
- **UMTS 2100/1900/900/850 MHz** receive diversity
- **HSUPA (UL)** data service of up to 5.76 Mbps
- **HSDPA (DL)** data service of up to 7.2 Mbps
- **UMTS PS domain** data service of up to 384 kbps
- **EDGE packet** data service of up to 236.8 kbps
- **GPRS packet** data service of up to 85.6 kbps
- **CS domain** data service based on UMTS and GSM
- **SMS** based on CS/PS domain of GSM and WCDMA
- **WiFi and WPS**
- **Built-in DHCP Server, DNS RELAY and NAT.**
- **Plug and play** (PnP)
- **Personal computer/Smart card (PC/SC)** Driver
- **USB Extension Cable**, easy to connect
- **Standard mini USB interface**
- **Built-in WCDMA and WLAN high gain antenna**
- **External main diversity antenna interface**
- **Micro Secure Digital Memory (Micro SD) Card**
- **Sharing the micro SD card on WEB page.**
- **Windows Windows XP/ Windows Vista/ MAC operating system (OS) 10.4 and above**

Q2: Hardware specifications of E5832:

A2:

<table>
<thead>
<tr>
<th>Item</th>
<th>Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Technical standard</td>
<td>WAN: HSPA/UMTS/EDGE/GPRS/GSM</td>
</tr>
<tr>
<td></td>
<td>WLAN: IEEE 802.11b/g</td>
</tr>
<tr>
<td>Operating frequency</td>
<td>HSPA/UMTS: 2100/1900/900MHz/850MHz</td>
</tr>
<tr>
<td></td>
<td>EDGE/GPRS/GSM: 850/900/1800/1900MHz</td>
</tr>
<tr>
<td></td>
<td>WLAN: 2.401GHz~2.482GHz</td>
</tr>
</tbody>
</table>

2012-2-20
<table>
<thead>
<tr>
<th>Item</th>
<th>Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Internal memory</strong></td>
<td>128MB Flash, 64MB Memory</td>
</tr>
<tr>
<td><strong>Maximum transmit power</strong></td>
<td>WCDMA: 24 (+1/-3) dBm</td>
</tr>
<tr>
<td></td>
<td>WLAN (Battery mode):</td>
</tr>
<tr>
<td></td>
<td>• 11b: 15+-/-3dBm</td>
</tr>
<tr>
<td></td>
<td>• 11g: 15+-/-3dBm</td>
</tr>
<tr>
<td></td>
<td>WLAN (Power adapter mode):</td>
</tr>
<tr>
<td></td>
<td>• 11b: 0+-/-3dBm</td>
</tr>
<tr>
<td></td>
<td>• 11g: 0+-/-3dBm</td>
</tr>
<tr>
<td><strong>Receiver sensitivity</strong></td>
<td>• WCDMA: -106dBm</td>
</tr>
<tr>
<td></td>
<td>• WLAN 802.11g: -65dBm@54Mbps</td>
</tr>
<tr>
<td></td>
<td>• WLAN 802.11b: -76dBm@11Mbps/-82dBm@1Mbps</td>
</tr>
<tr>
<td><strong>Maximum power consumption</strong></td>
<td>3.5 W</td>
</tr>
<tr>
<td><strong>Power supply</strong></td>
<td>• AC: 100V~240V</td>
</tr>
<tr>
<td></td>
<td>• DC: 5V, 1A</td>
</tr>
<tr>
<td><strong>Battery</strong></td>
<td>• Type: Li (Rechargeable)</td>
</tr>
<tr>
<td></td>
<td>• Capacity: 3.7V, 1500mAh</td>
</tr>
<tr>
<td></td>
<td>• Maximum working time: 4 hours</td>
</tr>
<tr>
<td></td>
<td>• Maximum standby time: 100 hours</td>
</tr>
<tr>
<td><strong>External interfaces</strong></td>
<td>• USB interface: Mini USB</td>
</tr>
<tr>
<td></td>
<td>• Standard micro SD card interface</td>
</tr>
<tr>
<td></td>
<td>• SIM/USIM card: standard 6-pin SIM card interface</td>
</tr>
<tr>
<td><strong>LED</strong></td>
<td>LED indicators</td>
</tr>
<tr>
<td><strong>key-press</strong></td>
<td>power switch, WPS/WiFi switch, connect key, reset key</td>
</tr>
<tr>
<td><strong>Antenna</strong></td>
<td>• Built-in GSM/WCDMA main diversity antenna</td>
</tr>
<tr>
<td></td>
<td>• Built-in WCDMA diversity antenna</td>
</tr>
<tr>
<td></td>
<td>• Built-in WLAN antenna</td>
</tr>
<tr>
<td></td>
<td>• External main diversity antenna interface</td>
</tr>
<tr>
<td><strong>Dimensions (D × W × H)</strong></td>
<td>95.5mm×48.6mm×14.1mm</td>
</tr>
<tr>
<td><strong>Weight</strong></td>
<td>about 90g (including the battery)</td>
</tr>
<tr>
<td><strong>Temperature</strong></td>
<td>• Operating: −10 to +40</td>
</tr>
<tr>
<td></td>
<td>• Storage: −20 to +70</td>
</tr>
<tr>
<td>Item</td>
<td>Specifications</td>
</tr>
<tr>
<td>------------</td>
<td>----------------</td>
</tr>
<tr>
<td>Humidity</td>
<td>5% to 95%</td>
</tr>
</tbody>
</table>

**Q3: Keys and indicators of E5832:**

**A3:**

1. USB connector
2. Micro SD card slot
3. Battery button
4. Power On/Off
5. WiFi/WPS button
6. Dialing button
7. Signal indicator
8. Roam indicator
9. WiFi/WPS indicator
10. Mode indicator
11. Battery indicator

- WiFi: Wireless Fidelity
- WPS: WiFi Protected Setup
Q4: Status of E5832’s LED indicators:

A4:

<table>
<thead>
<tr>
<th>Indicator</th>
<th>Status</th>
</tr>
</thead>
</table>
| 🔄        | • Steady on and in red: The USIM/SIM card does not exist or the PIN code is not verified or the signal is inexistent.  
• Steady on and in yellow: The signal strength is weak.  
• Steady on and in green: The signal strength is strong. |
| 🔄        | • Off: The device is not in the roaming state.  
• Steady on and in red: The device is in the roaming state. |
| 🔄        | • Off: The WiFi and WPS are disabled.  
• Steady on and in blue: The WiFi is enabled.  
• Fast Blinking in blue: The WPS is enabled. |
| 🔄        | • Off: The network service is inexistent.  
• Fast blinking in green: dialing up.  
• Blinking in green: 2G network registered.  
• Steady on and in green: 2G data service connected.  
• Blinking in blue: 3G network registered.  
• Steady on and in blue: 3G data service connected. |
| 🔄        | • Fast blinking in red: The battery power level is very low and must be charged immediately; otherwise the device will be powered off.  
• Steady on and in red: The battery power level is weak.  
• Steady on and in green: The battery power level is enough.  
• Blinking: The battery is being charged. If the indicator is in red, the battery level is too low to power on the device. When the indicator turns green, you can power on the device. |

Q5: The client software cannot be installed automatically?

A5:

Generally, E5832 client software will be installed automatically right after it connected to computer.

1. Please check if the computer OS meets one of the following:
   (1) Windows XP / Windows Vista / Windows 7
   (2) Mac OS ( 10.5.0 above)

2. Make sure E5832 is turned on. To turn on E5832, hold and press “Power Key 🔄” for 3 second. If E5832 is out of battery power, please charge it by USB cable or power adapter.

3. If the disk can’t run automatically, it may because that some software in computer forbids the
auto-run function of the disk, and we need to run the disk manually. Click the icon in the red frame below. Then click the AutoRun.exe file to finish the installation.

Q6: The client software runs very well but why can’t I log on to the web management page 192.168.1.1?

A6:
Use USB cable connect to PC:
You should check if E5832 has been correctly recognized by your PC. Click and find “My Computer” as . Right click “My Computer” select “Manage” to open the “Computer Management” Click “”. If E583C has been installed successfully, You would see two new “com port”, “USB Mass Storage Device” and “HUAWEI Mobil Connect – 3G Network Card” displayed in .

If “HUAWEI Mobil Connect – 3G Network Card” shows , right click it then select “Uninstall”. Re-load the network driver for E583C by right click Network adapters, then select “Scan for hardware
changes”.

Use WiFi connect to PC:

Double click to check your wireless network connection on windows start bar. Make sure your device is connected with your E5832 not other Wi-Fi device.

If E5832 has connected to PC correctly, please check the Web browser settings by following steps:
1. Open Web Browser from your device (ex. Microsoft Internet Explorer). Go [http://192.168.1.1](http://192.168.1.1) to open E5832’s Web UI.
2. If Web Browser failed to bring you to Web UI, click “Tool” from Browser then select “Internet Options”.

Select “Connections” tab, then click “LAN settings”.

For the “Local Area Network (LAN) Settings” pop-up, uncheck the top three check-boxes. Then click “OK” to apply changes.
Refresh the Web Browser to show E5832 management console page.

Q7: Establish WiFi connection between PC and E5832

A7:

Please follow these steps to set up your WLAN

1. Enable your wireless network card and double click icon displayed on windows start bar to open “Choose a wireless network” dialog

2. Select SSID of E5832 in the local wireless device list (The WiFi Key and the SSID can be found on a label stick inside the back cover), click to connect.

3. Input WiFi Key in the dialog of password input then click to establish connection
4. After the icon of wireless network card turned from (status of acquiring IP address) into , your PC has established WiFi connection with E5832 successfully, enter http://192.168.1.1 in web browser (ex. IE) to visit Web UI

Q8: How many dial-up mode does E5832 support?

A8:

E5832 support 3 dial-up modes.

1) Auto, which means the device will connect to internet automatically once you turn it on. And the connection won’t be drop though there is no data transmission.

2) On demand, E5832 will connect to internet automatically based on the user’s dialing request, so users only need to start their IE browser, and the data transmission will be set up. However, the connection will be disabled if there is no data transmission until Max Idle time (the default value is 10 minutes.)

3) Manually:
   a. Press the dial-up key
   b. Click the connect button on client software
   c. Dial through web management page.

Note: When E5832 connected with PC through USB cable, the device only use Manual connection mode, even the device is configured to Auto or On demand mode. And the connection mode will recover until you disconnect the USB cable.
Q9: How can we enable WPS function?

A9:

WPS is another WIFI encryption method, when the device enter into WPS mode, your wireless network card, which supports WPS, can search E5832 through WPS and check the password automatically to connect with E5832. This encryption method is much safer than WIFI. To enable WPS, you should firstly enable the WIFI function, then press the WIFI/WPS key for more than 5s, you will see that the WIFI indicator go out for 2 or 3 seconds, then it will be fast blinking, this means your device has already entered into WPS status.

Q10: E5832’s signal is weak and cannot register to 3G network

A10:

1. Please check local network condition, check whether there is 3G network which provided by telecom operator at the moment. Ensure you are not in some close environment. (You may check the signal strengthen by the icon displayed on Web UI main page)

2. Please move E5832 toward to window to get better signal.

3. If the network condition is good but still cannot register, please try to reset E5832 and try again.

4. Sometimes E5832 will be rejected by the operator for some reasons. Please reset E5832 and check.
If E5832 still cannot camp on the network, please contact with your device provider.

5. Login Web UI to check whether E5832 has been set to GSM only mode. If your E5832 has been set to GSM Only, please select the WCDMA Prefer option in the drop down menu.

Q11:E5832’s Wi-Fi signal is always weak

A11:

1. When E5832 using it’s battery power, in order to save energy for longer run-time E5832 will lower down its transmit power, so Wi-Fi signal is weaker compare with powered by USB or power adapter. Connect E5832 to power adapter or with USB cable to a running computer’s USB port will enhance E5832’s Wi-Fi signal strength.

2. Keep E5832 at least 3 to 6 feet away from other electrical devices which may create RF signal and cause interference (for example, microwave oven, TVs, cordless/cellular phones, baby monitors or wireless speakers). If you needn’t using any of those devices when you want to connect Internet, please turn it off.

2. Wi-Fi covered range of E5832 is according to its power supply mode and its using environment. In Idea clear square area the Wi-Fi covered range of E5832 as showed below:

   - Use power adapter: 100m (328ft)
   - Use USB cable connect: 20m (66ft)
   - Use battery supply: 10m (33ft)

   In actual use Wi-Fi covered range maybe different from idea square area, it decided by the environment you use. The closer to E5832, the stronger Wi-Fi signal you get. And every obstacle (walls, ceilings, furniture) between your device and E5832 may decrease Wi-Fi signal strength. Move your device closer to E5832 can avoid obstacles and improve Wi-Fi signal.

4. Change the Wi-Fi channel to fix one other than auto (you can try the available channel one by one and select the channel with best signal strength)
Q12: I forget my Wi-Fi key and Web login password I can’t login my E5832

A12:
If you forget your Web login password, you needn’t to worry. Try to reset your E5832 as following step

1. Hold and press CONNECT & WiFiPS key at least 5 seconds
2. After OLED screen is off then lighten on again E5832 start reboot progress
3. When E583X has boot up, all the settings and password of E5832 has been set to default

Notice: If you only forget your WiFi Key, try to connect your E5832 with USB cable then login Web UI set the new wifi key in the “WLAN Basic Setting” page, input new WIFI key directly in WPA Pre Shared Key bar

Q13: How can I reset the device?

A13:
There are two ways to reset E5832:

Turn on the device, press key 6 and key 5 simultaneously for 5s, the reset can be done

Log on the web management page, click Advanced Settings → System → Restore Defaults
**Q14:** How long it may take to fully charge E5832 and how long E5832 can work by using the fully charged battery?

**A14:**

1. Maximum time to full charge E5832 battery
   - Device off charged by AC charger: 3h
   - Device on charged by AC charger: 3.5h — 4h.
   - Device off and charged by USB cable: 4h — 4.5h.
   - Device on and charged by USB cable: 4.5h — 5h.

2. Maximum working time:
   - Using battery and Wi-Fi enabled (with data transmission): 4hours.
   - Using battery and Wi-Fi enabled (without data transmission): 15hours
   - Using battery and Wi-Fi disabled (standby mode): 100h

   Some improper use will influence the life of battery, for example: used under high/low temperature and humid environment, leaving battery unused for long time, the battery be charged and discharged for too many times.

   The environment temperature required by the battery is -20°C-60°C (the ideal value is 35°C), the relative humidity is 5%-95% (the ideal value is 55%), the battery life can reach 18 months.

**Q15:** What is the WIFI coverage?

**A15:**

The coverage mentioned below is under idea environment:

1) If E5832 connected to charger, its WIFI coverage can reach 100m;

2) If E5832 connected to PC with USB, its WIFI coverage can reach 20m;

3) If E5832 only powered by battery, its WIFI coverage can reach 10m.
Q16: Could I configure different dial-up parameters (APN, Profile name, dial-up number) in client software and web page?

A16:
Yes. The profile you configured in client will be saved in PC, while the profile which configured in web page will be saved in the device,
1. If you dial in client software through PC, then you are using the profile which configured in client.
2. If you dial in web page, then you are using the profile which configured in web.
3. If you dial by the “dial key” manually, then you are using the previous profile.

Q17: Why is the E5832 cannot connect to internet?

A17:
There are several possible reasons:
1. Check if the SIM card is inserted in E5832, or if SIM card is invalid. A third possibility is there is PIN lock written to device, which makes E5832 can’t register any network and certainly the connection will be failed.
2. There is no signal (the signal light is red) or the signal is too weak (Signal light is yellow), then E5832 can’t search any network, so the connection will be failed or you can’t even build up a connection.
3. Only when the PPP connection mode is set to Manual other than AUTO or On demand, will the dial key be effective.
4. The dial-up parameters are configured wrong.
Q18: How can I play online game with PSP through E5832 WIFI?

A18:

E5832 makes it possible for PSP to surf the net and play online game any time and any place the players want. Open the menu of PSP, choose Network settings ➔ Basic Mode, then search for the SSID of E5832 WIFI, input the right password and then connect.

Players not only can use E5832 to play games among several PSP, but also can play games between PSP and PC. If we have only one PSP, one E5832, and one computer, we can connect E5832 with PSP through WIFI while connecting PC through USB cable. Then the PC can play game with PSP.

Q19: Which factors will influence the battery life?

A19:

Some improper use can influence the life of battery, for example: high/low temperature and humid environment, leaving battery unused for long time, the battery be charged and discharged for too many times, or some other reasons which cause the damage of the battery itself.

The environment temperature required by the battery is -20°C-60°C (the ideal value is 35°C), the relative humidity is 5%-95% (the ideal value is 55%), the battery life can reach 18 months.

Q20: Why does the temperature of E5832 keep growing while I am using it for data service?

A20:

Actually this is a quite normal phenomenon. Continual data transmission will make some chipsets in the device keep emitting heat. This temperature problem will happen under these circumstances: Continual data service, the device is charging, the device is charging while data service or the
environment temperature is too high. Customers don’t need to worry about the temperature because we had designed the high temp protection function, that means, when the device temperature is up to 69℃, the device will be powered off automatically to protect itself.

Q21: What should I do if the dialog box prompts failure after upgrade?

A21:

First check the current version of E5832 from the client. Click Tools→Diagnostics→Device. If current version is the same as the version which you want to upgrade to, then the upgrade is actually successful. Or else use the forced downloading, try to upgrade again.
Q22: How can I enter into forced downloading mode?

A22:

When your computer cannot “recognize” E5832, which means you can’t see new ports or new network card come out in Device Manager, in this case, you can use forced download to upgrade. Turn off the device, press key \( \text{①} \), meanwhile, use the USB cable to connect the E5832 with PC. Then you will see that the battery indicator and signal indicator both light, this means the device has already entered
forced downloading mode. You can see a new port coming out in device manager, double click the host or client software, and you can start the upgrade. After upgrading, please reboot the device, and then it can work normally.