WLAN at ETH

At ETH Zurich, there are three different wireless networks. The networks differ substantially in regard to authentication.

<public> und <public-5>

public and public-5 offers the possibility to authenticate via a web page after connecting. The page is automatically displayed when you start the browser and would like to access a website. Once you have authenticated, you can access the Internet. Recommended for guest accounts and ETH members.

<eth> und <eth-5>

eth and eth-5 requires you to enter your login data when connecting whereby only the ETH-login is accepted. In most cases encryption is pre-defined. Should that not be the case settings are as follows:

<table>
<thead>
<tr>
<th>Security specification</th>
<th>WPA2-Enterprise</th>
</tr>
</thead>
<tbody>
<tr>
<td>Encryption specification</td>
<td>AES</td>
</tr>
<tr>
<td>Network Authentication Protocol</td>
<td>PEAP</td>
</tr>
<tr>
<td>Authentication Protocol</td>
<td>EAP-MSCHAP v2</td>
</tr>
<tr>
<td>Certificate</td>
<td>None/Inactive</td>
</tr>
</tbody>
</table>

Authentication with specific VPZ

You can authenticate yourself using <nethz-Login-Name>@<Realm> and will then be connected to the corresponding domain <Realm>. (Example: meierh@id-kom) Only available on SSID <eth> and <eth-5>. You can use this if you need to connect to special services which are only available in the vpz. The authorization for the zones are maintained by the responsible ISG (IT support group). Recommended for ETH members.
<eduroam>

eduroam is the secure, world-wide roaming access service developed for the international research and education community. Participating universities can be found here: www.eduroam.org/. Access to eduroam is via login@homeuniversity.
For ETH members login is:

<username>@ethz.ch

Recommended for members of other universities

5 GHz SSIDs

The SSIDs eth-5 and public-5 runs on the 5 GHz bandwith. Client settings for «eth-5» and «eth» are identical as are the settings for «public-5» and «public». Some clients (e.g. «smart phones») can only operate in the 2.4 GHz band and the new SSIDs will not show up on those devices.

Special Services

switch pwlant - surfing outside the university

Outside the university as well, members of ETH Zurich have the possibility to access the Internet with the ETH login. This service is provided by switch pwan.

All you need for mobile Internet access is a wireless-enabled laptop, an ETH user account and the ETH VPN client.

More information on this service can be found here.

MOBILE-EAPSIM for Swisscom subscribers

Following release of the iPhone 5 series, Swisscom subscribers using iPhones can connect directly to the Swisscom hotspot «MOBILE-EAPSIM» with their SIM card. This also causes that often the connection is automatically diverted to the MOBILE EAPSIM network. However «MOBILE-EAPSIM» is a fee-incurring Swisscom service, which, depending on plan can become very expensive. For those who are always automatically connected to wireless, be aware that you might automatically get connected to «MOBILE-EAPSIM» instead of an ETH wireless network even while in the ETH Zurich environment.

Zurich, 20. Dezember 2016