

# Devices that are compatible with eduroam

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The following list is sorted alphabetically by vendors. The table notes which EAP methods are supported. Legend:

**CAT** - this device/EAP type combination is supported by eduroam CAT; can probably also be configured securely manually

**Yes** - the device can be configured securely manually for this EAP type

**Deficient** - the device lacks important security features, but workarounds exist which can make its use safe

**Insecure** - the device can be configured manually for this EAP type, but not all security parameters can be set up

**No** - device is known not to support IEEE 802.1X/EAP

? - Unknown

TPS - supported with Third-Party Software (possibly commercial)

## Compatibility Matrix

| Device/OS Vendor | Device/OS   | Version   | TTLS-PAP                 | PEAP                     | TTLS-MSCHAPv2            | TLS                      | PWD                | TTLS-GTC                 | FAST               |
|------------------|---|-----------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------|--------------------------|--------------------|
| Android          | tested on:<br>Samsung Galaxy S2<br>Huawei Sonic u8650 | 2.3       | Deficient <sup>[1]</sup> | Deficient <sup>[1]</sup> | Deficient <sup>[1]</sup> | Deficient <sup>[1]</sup> | ?                  | Deficient <sup>[1]</sup> | ?                  |
| Android          | tested on:<br>Motorola Xoom2                          | 4.0+      | Deficient <sup>[1]</sup> | Deficient <sup>[1]</sup> | Deficient <sup>[1]</sup> | Deficient <sup>[1]</sup> | ?                  | Deficient <sup>[1]</sup> | ?                  |
| Apple            | iPhone  | iOS 4.0+  | CAT                      | CAT                      | CAT                      | Yes                      | No                 | Yes                      | Yes                |
| Apple            | iPad  | iOS 4.0+  | CAT                      | CAT                      | CAT                      | Yes                      | No                 | Yes                      | Yes                |
| Apple            | iPod touch  | iOS 4.0+  | CAT                      | CAT                      | CAT                      | Yes                      | No                 | Yes                      | Yes                |
| Apple            | Mac OS X  | 10.7+     | CAT                      | CAT                      | CAT                      | Yes                      | No                 | ?                        | Yes                |
| Apple            | Mac OS X  | 10.4-10.6 | Yes <sup>[4]</sup>       | Yes <sup>[4]</sup>       | Yes <sup>[4]</sup>       | Yes <sup>[4]</sup>       | No                 | ?                        | Yes <sup>[4]</sup> |
| Blackberry       | Playbook OS   | 2         | Yes                      | ?                        | ?                        | ?                        | ?                  | ?                        | ?                  |
| Linux            | NetworkManager  |           | CAT                      | CAT                      | CAT                      | CAT                      | No                 | ?                        | ?                  |
| Linux            | wpa_supplicant  |           | CAT                      | CAT                      | CAT                      | CAT                      | Yes <sup>[2]</sup> | Yes                      | Yes                |
| Microsoft        | Windows   | XP SP3    | TPS                      | Yes                      | TPS                      | Yes                      | No                 | TPS                      | TPS                |
| Microsoft        | Windows   | Vista     | TPS                      | CAT                      | TPS                      | CAT                      | CAT                | TPS                      | TPS                |
| Microsoft        | Windows   | 7         | TPS                      | CAT                      | TPS                      | CAT                      | CAT                | TPS                      | TPS                |
| Microsoft        | Windows   | 8 / 8.1   | CAT                      | CAT                      | CAT                      | CAT                      | CAT                | ?                        | ?                  |
| Microsoft        | Windows   | 10        | CAT                      | CAT                      | CAT                      | CAT                      | CAT                | ?                        | ?                  |
| Microsoft        | Windows Phone   | 7.x       | No                       | Insecure <sup>[3]</sup>  | ?                        | No                       | ?                  | ?                        | ?                  |
| Microsoft        | Windows Phone   | 8.x       | No                       | Deficient <sup>[1]</sup> | ?                        | ?                        | ?                  | ?                        | ?                  |
| Microsoft        | Xbox  | all       | No                       | No                       | No                       | No                       | No                 | No                       | No                 |
| Microsoft        | XBoxONE   | all       | No                       | No                       | No                       | No                       | No                 | No                       | No                 |
| Nokia            | Symbian OS  | Series 6  | No                       | Yes                      | ?                        | Yes                      | ?                  | Yes                      | No                 |
| Nokia            | Symbian OS  | 9.x       | Yes                      | Yes                      | ?                        | Yes                      | ?                  | Yes                      | No                 |
| Sony             | Playstation3 (PS3)                                    | all       | No                       | No                       | No                       | No                       | No                 | No                       | No                 |
| Sony             | Playstation4 (PS4)                                    | all       | No                       | No                       | No                       | No                       | No                 | No                       | No                 |
| Jolla            | Sailfish OS   | 2         | Yes                      | Yes                      | Yes                      | Yes                      | ?                  | ?                        | ?                  |

[1] Installation and pinpointing of CA possible; verification of expected server name (CN) not possible. A secure configuration is only possible if the Identity Provider deploys a private CA which issues exclusively server certificates for his own eduroam EAP servers. All other Identity Provider deployments are INSECURE.

[2] Version 1.0 or higher required

[3] Verifying that the server is signed by the proper CA is not possible; this means users will not be able to detect fake hotspots and might send their username/password to an unauthorised third party.

[4] Only with 10.6.x (Snow Leopard) and later does OSX allow the configuration of of CA/server trust settings (Pinning 802.1X to specific CA and RADIUS server CommonName)

## Reporting a new device

Please let us know in the "Comments" field what device you have, and what EAP method(s) you have found working. We will update the list periodically.