

# TPC-100W Connect to WIFI ( AzureWave EWM-W194M201E)

## Check the WIFI device exists.

\$ ifconfig wlan0

```
root@eamb9918-cc827f45e86a:~# ifconfig wlan0
wlan0: flags=4098<BROADCAST,MULTICAST> mtu 1500
    ether 28:d0:43:3e:96:bf txqueuelen 1000 (Ethernet)
    RX packets 0 bytes 0 (0.0 B)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 0 bytes 0 (0.0 B)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

root@eamb9918-cc827f45e86a:~# █
```

## Check the WIFI is enabled.

\$ connmanctl technologies

```
root@eamb9918-cc827f45e86a:~# connmanctl technologies
/net/connman/technology/bluetooth
  Name = Bluetooth
  Type = bluetooth
  Powered = False
  Connected = False
  Tethering = False
  TetheringFreq = 2412
/net/connman/technology/wifi
  Name = Wi-Fi
  Type = wifi
  Powered = False
  Connected = False
  Tethering = False
  TetheringFreq = 2412
/net/connman/technology/ethernet
  Name = Wired
  Type = ethernet
  Powered = True
  Connected = True
  Tethering = False
  TetheringFreq = 2412
root@eamb9918-cc827f45e86a:~# ^C
root@eamb9918-cc827f45e86a:~# █
```

If “Powered = True”, it means WIFI is enabled.

If WIFI is disabled, please use below command to enable it.

## Enable WIFI

\$ connmanctl enable wifi

```
root@eamb9918-cc827f45e86a:~# connmanctl enable wifi
Enabled wifi
root@eamb9918-cc827f45e86a:~# █
```

## Scann online WIFI hotspot.

# TPC-100W Connect to WIFI ( AzureWave EWM-W194M201E)

\$ connmanctl scan wifi

```
root@eamb9918-cc827f45e86a:~# connmanctl scan wifi
Scan completed for wifi
root@eamb9918-cc827f45e86a:~#
root@eamb9918-cc827f45e86a:~#
```

## Display online WIFI hotspot.

\$ connmanctl services

```
root@eamb9918-cc827f45e86a:~# connmanctl services
*AR Wired                ethernet_cc827f45e869_cable
*A ADAMWLAN              wifi_28d0433e96bf_4144414d574c414e_managed_psk
ADAMWLAN2.4             wifi_28d0433e96bf_4144414d574c414e322e34_managed_psk
DIRECT-7E-HP Color LJ 3302 wifi_28d0433e96bf_4449524543542d37452d485020436f6
c6f72204c4a2033333032_managed_psk
uit-conference         wifi_28d0433e96bf_7569742d636f6e666572656e6365_managed_
psk
uit-iot                wifi_28d0433e96bf_7569742d696f74_managed_psk
wifi_28d0433e96bf_hidden_managed_psk
DigitalEksamen        wifi_28d0433e96bf_4469676974616c456b73616d656e_managed_
psk
SIVA                   wifi_28d0433e96bf_53495641_managed_psk
eduroam                wifi_28d0433e96bf_656475726f616d_managed_ieee8021x
uit-guest              wifi_28d0433e96bf_7569742d6775657374_managed_none
SIVA Driftskontor     wifi_28d0433e96bf_53495641204472696674736b6f6e746f72_ma
naged_psk
lowQualitySlow-eduroam-2.4GHz wifi_28d0433e96bf_6c6f775175616c697479536c6f77
2d656475726f616d2d322e3447487a_managed_ieee8021x
EM-Testing             wifi_28d0433e96bf_454d2d54657374696e67_managed_psk
Noricom Tromsø Gjest wifi_28d0433e96bf_4e6f7269636f6d2054726f6d73c3b820476a6
57374_managed_psk
Noricom Tromsø Admin wifi_28d0433e96bf_4e6f7269636f6d2054726f6d73c3b82041646
d696e_managed_psk
root@eamb9918-cc827f45e86a:~#
```

Copy the psk name for the WIFI you want to connect (For later usage)

Eksempel her is: **wifi\_28d0433e96bf\_4144414d574c414e\_managed\_psk**

# TPC-100W Connect to WIFI ( AzureWave EWM-W194M201E)

## Start Network manager

\$ connmanctl

```
root@eamb9918-cc827f45e86a:~# connmanctl
Error getting VPN connections: The name net.connman.vpn was not provided by any .service file
connmanctl>
```

(Don't worry about the error message)

## \$ Start Network Manager agent

\$ agent on

```
connmanctl> agent on
Agent registered
connmanctl>
```

## Connect to WIFI hotspot.

If the WIFI hotspot needs password, it will remind you to input.

\$ connect wifi\_28d0433e96bf\_4144414d574c414e\_managed\_psk

```
connmanctl> connect wifi_28d0433e96bf_4144414d574c414e_managed_psk
Connected wifi_28d0433e96bf_4144414d574c414e_managed_psk
connmanctl>
```

## Exit Network Manager

\$ quit

```
connmanctl> quit
root@eamb9918-cc827f45e86a:~#
```

## Check WIFI network

### \$ ifconfig

```
m1an0: flags=-28605<UP,BROADCAST,RUNNING,MULTICAST,DYNAMIC> mtu 1500
    inet 192.168.1.194 netmask 255.255.255.0 broadcast 192.168.1.255
    inet6 fe80::2ad0:43ff:fe3e:96bf prefixlen 64 scopeid 0x20<link>
    ether 28:d0:43:3e:96:bf txqueuelen 1000 (Ethernet)
    RX packets 1110 bytes 110965 (108.3 KiB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 44 bytes 6030 (5.8 KiB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
```