Connect to the SSL-AIR2 authenticated network from a Windows 7 & 8 computer

Introduction

This article will show the necessary settings to adjust from the defaults when using the builtin Windows settings. I have highlighted the relevant settings and buttons in red in the pictures below. If your PC uses a vendors utility, like Intel ProSet Wireless Utility or Dell Wireless Utility, your screens will look different, but the basic settings are the same.

1. Open "Network & Sharing Center"

Troubleshoot problems Open Network and Sharing Center	
Currently connected to:	÷,
SSL-AIR Internet access	
Wireless Network Connection	^
SSL-AIR Connected	31
SSL-AIR2	.all
wap-260	30
QAAir	ա
Other Network	I
Other Network	300
Open Network and Sharing Center	

2. Open "Manage Wireless Networks"



3. Add a network profile



Windows 7:

First, check for any existing profiles for the SSL-AIR2 wireless network. Any existing SSL-AIR2 profiles will need to be removed. If there are no existing SSL-AIR2 profiles, click Add.

Windows 8:

Select "Manually connect to a wireless network"

4. Manually create the network profile.



5. Network information

3	all Manually connect to a wi	reless network	
	Enter information for	the wireless network you want to add	
	Network name:	SSL-AIR2	
	Security type:	WPA2-Enterprise	
	Encryption type:	AES 👻	
	Security Key:	Hide characters	
	Start this connection a Connect even if the new Warning: If you select	automatically etwork is not broadcasting t this option, your computer's privacy might be at risk.	
		Next	Cancel
		Next	

Network Name: SSL-AIR2 Security Type: WPA2-Enterprise

Select Next button to continue.

6. Select "Change connection Settings"

Manually connect to a wireless network	
Successfully added SSL-AIR2	
Change connection settings Open the connection properties so that I can change the settings.	
	Class
	Close

7. Select "Security Tab"

SSL-AIR2 Wireless Network Properties		
Connection Security		
Name:	SSL-AIR2	
SSID:	SSL-AIR2	
Network type:	Access point	
Network availability:	All users	
Connect automati	cally when this network is in range	
Connect to a more	e preferred network if available	
Connect even if the network is not broadcasting its name (SSID)		
Enable WLAN connection settings		
Configure		
OK Cancel		

8. Network Authentication Method

SSL-AIR2 Wireless Netwo	ork Properties		x
Connection Security			
Security type: Encryption type:	WPA2-Enterprise	•	
Choose a network aut Microsoft: Protected I Remember my crea time I'm logged on	hentication method: EAP (PEAP) 🔻	Settings ion each	
Advanced settings			
		ОК Са	ncel

Make sure "Microsoft Protected EAP (PEAP)" is the selected network authentication method. Then select "Settings".

9. Protected EAP settings

Protected EAP Properties	x
When connecting:	
Connect to these servers:	
Trusted Root Certification Authorities:	
Baltimore CyberTrust Root	=
Class 3 Public Primary Certification Authority DigiCert Assured ID Root CA	
DigiCert High Assurance EV Root CA	
Equifax Secure Certificate Authority	
GeoTrust Giobal CA	Ŧ
Do not prompt user to authorize new servers or trusted certification authorities.	
Select Authentication Method:	
Secured password (EAP-MSCHAP v2) Configu	re
Enable Fast Reconnect	
Enforce Network Access Protection Disconnect if server does not present cryptobinding TLV	
Enable Identity Privacy	
OK Can	cel

De-select "Validate server certificate".

Make sure Authentication Method is set to "Secured password (EAP-MSCHAP-v2)", then select the "Configure" button to the right of the Authenication Method box.

10.



De-select "Automatically use my Windows logon name and password" and click OK.

Now you should be back at the "Protected EAP settings" page (step 9). Click OK again to exit.

Now you should be back to the "Security tab" (step 7).

10. Select "Advanced Settings" button.

SSL-AIR2 Wireless Netwo	ork Properties
Connection Security	
Security type: Encryption type:	WPA2-Enterprise AES
Choose a network aut Microsoft: Protected E	entication method: EAP (PEAP) Settings lentials for this connection each
time I'm logged on	
	OK Cancel

11. 802.1X settings



Select "Specify authentication mode" as "User Authentication" and click OK.

Now you should be back to the "Security tab" (step 10). Click OK to exit.

Now you should be back to the "Change Connection Settings" window (step 6). Click Close to exit.

12. Connect to SSL-AIR2 wifi network.



13. Enter your SSL-LDAP Username and Password.

Windows Security	
Network Au Please enter us	uthentication er credentials
	User name Password
	OK Cancel

14. Select a Network Location



If you successfully connected to the network for the first time, you will be asked to identify which type of network this is. Select "Work Network".

15. Select Close.



16. All done. The Internet Awaits.

