# Advantech AE Technical Sharing Documentation

Date	2017/01/03	SR#	1-2759346373			
Category	🗌 FAQ 📕 SOP	Related OS WINCE6 / WIN7				
Abstract	How to use your PC to synchronize with your WCE6 devices					
Keyword	WINCE6 / ActiveSync / WIN7					
Related						
Product	UNO series supporting WCE6 image with built-in ActiveSync					

#### Problem Description:

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Customers can synchronize WCE6 devices with their PC. For ActiveSync details, please refer to <u>https://en.wikipedia.org/wiki/ActiveSync</u>

#### Brief Solution - Step by Step:

Before you begin, you need to verify both the PC and WCE6 device are using **full-pin** design **RS-232** communication. Port settings on **both server and clients** need to be in consistency. For DEMO purpose, we used PC installed with WIN7 and an UNO-2178A installed with WCE6.

### Step1, 2, 5 are settings done within the PC.

#### Step3, 4 are for your CE device.

#### <u>Step1</u>

Verify your PC is installed with Windows Mobile Device Center.

https://www.microsoft.com/en-us/download/details.aspx?id=3182

#### <u>Step2</u>

Verify the serial port you are using, and the Port Settings.

Connection Settings	? ×	Commu	nications Port	(COM1) Prope	rties		×
Waiting for device to connect		General	Port Settings	Driver Detail	s Events	Resources	
Allow USB connections				Bits per secor	d: 19200		~
COM1 ~				Data bi	s: 8		~
This computer is connected to: Automatic				Pari	y: None		~
Allow automatic device authentication				Stop bi	s: 1		~
Allow data connections on device when connected to PC		-		Flow control	l: None		~
C	Cancel	1		-	dvanced	Restore [	Defaults
Device Manager					16334.3		
File Action View Help							
* +   -   -   -   -   -   -   -   -   -							
View UNO-2473G	and the basis						
Advantech IAG Onboard Devices		- Anteres					
Computer		1				ОК	Cancel

#### <u>Step3</u>

Go to Settings – Network and Dial-up Connections.

Make a New Connection and select Direct Connection.

<u>Eile E</u> dit	<u>View</u> Ad	wanced X		
Make New Connection	PCI- IAG81681	PCI- IAG81682	Image: Section Section     Pipe a name for the connection:     Image: Section	
Program Pavoritor Docum Setting Help Bun	es  ients i	Control Panel Network and Start Taskbar and Start		

Leave other settings as they are, and select the port you are going to use on your WCE device.

Device	×
My Connection	
Select a device:	
Serial Cable on COM4:	N
<u>C</u> onfigure	
TCP/IP Settings Security Settings	
< <u>B</u> ack Finish	

Click **Configure** and verify the **Port Settings** are in consistent with your PC, then click OK, Finish.

Device	Real particular second second	×
Device Properties		? ОК 🗙
Port Settings Call Options		
Manual Dial Games In the	Connection Pre	eferences
Manual Dial (user supplies dial strings)	Baud Rate	19200
Terminals	<u>D</u> ata Bits	8
Use terminal window	<u>P</u> arity	None
Use terminal window after	Stop Bits	1
dialing	Elow Control	None
	< <u>B</u> ack Fini:	sh

### <u>Step4</u>

Go to **Control Panel** and click **PC Connection** to change the connection used (to the one you created in Step3).

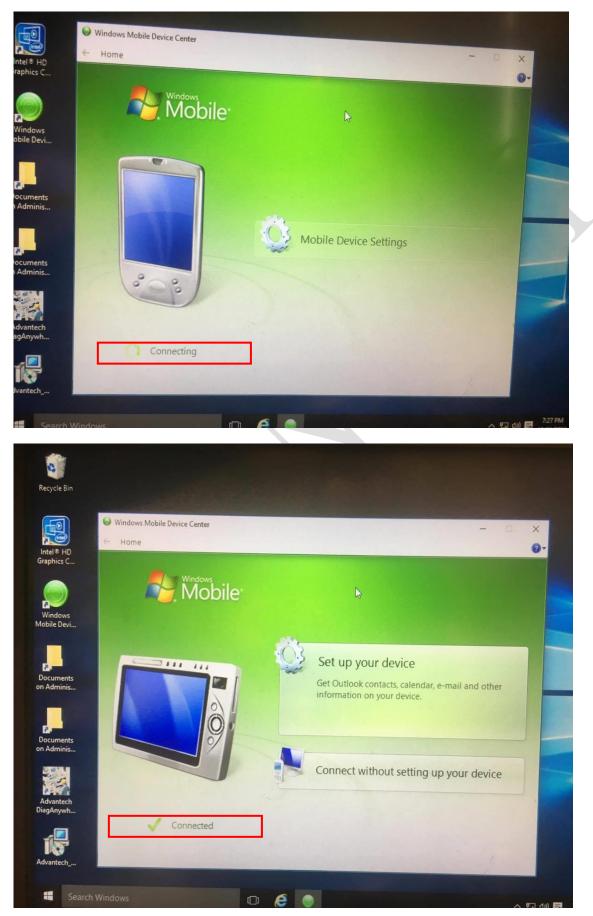
<u>File View</u>								
0	P	b	8	ēlo	5	9	-	C
Certificates	Date/Time	Dialing	Display	EloTouch	Input Panel	Internet Options	Keyboard	Mouse
82	<b>B</b>	3		31	1	-	0	0
Owner	Password	PC Connection	Power	RAS Server	Regional Settings	Remove Programs	Storage Manager	Stylus
<b>SO</b>		PC Conne	ction Prop	erties			2 01	
Volume & Sounds		PC C Change Connection ? OK X						
		Connect to desktop computer using: Desktop @ 19200' Desktop @ 19200' Warning: Changing this setting may result in an inability the connect with your desktop computer.						

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#### <u>Step5</u>

Verify a successful connection is established.



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## Reference:

#### Advantech

http://www.advantech.tw/products/1-2mlj9a/uno-2178a/mod 5ca4ab53-87db-4ebb-8f39-bf ee9b2dbe1f

### ActiveSync-related

https://www.microsoft.com/en-us/download/details.aspx?id=3182

http://stackoverflow.com/questions/32052429/how-to-connect-a-windows-mobile-pda-to-wind ows-10

https://en.wikipedia.org/wiki/ActiveSync